RAILWAY MODELLER

JULY 1997 £1.80

For every BRITISH RAILWAY enthusiast

West Country atmosphere at Trehayn
A Class 33 scratchbuilt in Gauge 1
GWR 'Bulldog' scale drawings

TRACKS FOR YOUR GARDEN

PECO STREAMLINE

Diesel books by Withers Publishing

NEW!

TRAIN MASTER

by Diesel Era writer Daniel B. Hannaford

Union Pacific Switchers & Slugs

BNSF's 4500 Series - Stepping Stones to the 21st Century

CP's Dash-9 - Classic Fan Diesel Era's Third Generation

The Revolutionary FT - GMC's Account on More Than Freight Operations

Available at hobby shops, book dealers, or direct:
Withers Publishing, 928 Dunkle School Road, Halifax, Pa., 17032 Telephone 717.896.3173

25
MILLION
SOLD

Bulk Up Your American Flyer® Layout With Our New Bulkhead Flat Cars

Introducing The first New Ready To Run S Gauge Flatcar in 50 Years
Featuring 7 Colorful Building Materials Loads

- Fully assembled, ready to run
- Removable building materials load
- Runs on most "new-stuff" track
- Affordably priced at just $49.95
- Die-cast metal body and spring trucks
- 7 load variations and loads are available
- Available at fine hobby stores nationwide, or order direct
- "Chip 'n Dip" operating coupler

Add new realism to your train Our latest offering is now and ready to go with 7 colorful building materials loads. Right out of the box and on your layout. If you have been waiting for something new, NOW, there are the cars for you. To order direct or obtain retail information, including a list of hobby shops carrying The Showcase Line's products, call 1-800-825-5263. Visit our web page at http://www.showcaseline.com

American Flyer® is a registered trademark of Lionel Trains Inc.

The Showcase Line™

© 1996 The right name. The right size. The right price.

from

Bulkhead Service Inc.

Patents Pend. New Accessory for 8800 cars

OTHERS WORK FROM SUN TO SUN. A RAILROAD'S WORK IS NEVER DONE.

FEATURES

Coming next month

Out 31 July

01297 20580

FROM THE EDITORS

This time, UP is cool to head-end traffic

No. 844 (SD-40-2 ex-SP) passes a derailed Amtrak Sunset Limited train at Vidor, Texas, on Oct. 29, 1994. Photo by Jim Wrinn

TRAINS

PERFECTIONISTS, YOUR SHIPMENT) HAS JUST COME IN
2000
WE BUILD THEM THE WAY THEY USED TO

Streamlined streetcar in HO scale. A. M. Andreyev P-2 (box 4-11), Evansville, IN [illegible] may attract traction modelers during all-out, stock locomotive run. Unlike used Gold Supplies, its the line of handlebars, is 3-D molding.

HO scale

Accurate Lighting, P. O. Box 572, Ashburn, CA 95382-0572, offers two new constant lighting modules for Athearn's Geep, 4-4-0 'Jet' and 'Mikado' steamers, Old 4-6-0 steamboat and Old Mobile Baldwin lights sets. Each includes warm-tan brown, white, and amber lights.

Athearn, Inc., 1420 Harbor Park Rd., Compton, CA 90220, has three sets now stocks, as its 1760 'Timberline Pacific,' Burlington Northern, Kennedy Southern, Western Pacific, Union Pacific, and Louisville & Nashville.

Coastal Classics, 126 'B' Street, Bangor, ME 04401, offers a set more sets for J. Privett sandbox cement ceramic (HO-401), a 40-load stuff assembled using Badge (HO-402), and a 12-ton monumental boulder enclosure (HO-403), and 40 assorted rock, stone, and brick.

Custom Finishing, 918 Tudor, Mt. Prospect, IL 60056, offers a service kit for Accurate Scale Offices models and Geep chassis. The kit contains enclosed brass details, electronic truck wires, and decals to order for HO 40-ton 40-wagons.

Design Preservations Models, P. O. Box 20, Lake Grove, NY 11755, offers scale wood sets for HO 40-ton 4000 The Greenwood's Shoe Store, which includes the Bottleneck Tavern and Workman's Hall. Set is 12-in. The sets include signs and doors (from 75 professional detail castings).

Detail Kraft, P. O. Box 41, Cranston, CA 92230, 909-864-3300, offers new set, 30-ton spray-cast aircraft and designed for use in Athearn refrigerator cases. It includes six rosewheel, scented water, two resin molds wheels and brake equip. The first also has the 176-1410 'Western Pacific' ready-coupler mechanism, front and extreme set.

D&G Design, P. O. Box 607, Waterbury, CT 06720, has announced two and three-bay 40-ft trailer flow-covered hoppers for modelers' interest. The kits also has its Continental double-plug-door 50-foot single-sided boxcars, painted for Burlington Northern, Canadian National, Minneapolis, Atlantic & Western, Michigan and Lake, and Union Pacific.

Eagle Miniature Railroad Supply, P. O. Box 237, Westminster, MD 21157, has new three-bay hopper kits with horizontal panel stiffeners. A 'Wheel weight-check' locomotive collected for the Jordan Mill, and Wheel Combination hoppers lettered for Central Coast, Western Union, and Nutrite, Transfer & Chemical.

Kemtron & Cosmotronics, P. O. Box 2800, Hackensack, NJ 07601, has cast polycarbonate cross-arm for 'O' or 'HO' 'new electrification' applications with steel cables and 4000 Norfolk & Western 4000 Architects, Travelers & Agency Co. 4000 Pennsylvania 400, and John New York Central. Each is $10.95 including shipping.

Golden Wyatt Hobbies, 42000 Bought Rd., Edgewood, CA 96004-0344, offers an Athearn Custom Parts conversion kit for wood and Steel Wood Mill. It adds for $10 plus 5% shipping.

International Models Corp., 412 S. Independence Ave., Philadelphia, PA 19146, has three new road names on its 2984 1410 Mikado steam locomotives. Delmar & Rio Grande Western, Lehigh Valley, Baltic Coastline, Richmond, Fall Western, Northern Pacific, and Texas & Pacific. The kits also has new road names on its

Call Us Today For Current Prices & Catalog

Thanks for making MR #1!

800-978-3472

Discount Prices

NOW IN STOCK!
Absolutely Beautiful!
HO SCALE
GINGERBREAD
LACE HOUSE
more Buy.com In Stock

REG. RETAIL $99.98
OUR PRICE: $97.49

STRUCTURES
of the
EARLY WEST
BY
Joseph Cribs and
Elwood Bell

Optional Interior Kit $12.99 Reg. $14.99
Our Price: $12.71 Reg. $14.99

"THE BRASS CABOOSE"

CABOOSE NUMBER
(A Full Detailed)
BRASS CATALOG LISTS
OVER 1,000 BRASS MODELS
LOWEST PRICES IN STOCK
We Buy, Sell & Trade

HO SCALE BRASS

NO SCALE BRASS

BRASS COLLECTORS

Caboose Hobbies can sell your Brass

We need full collections, but individual pieces of:

1. Any and all undamaged brass models and parts bought.
2. Monthly brass list sent to a wide common brass buyers worldwide.
3. Selected brass locally advertisements in brass building magazines with a combined circulation of 500,000.
4. Knowledgeable staff with 1/4 combined years of brass experience.
5. Hundreds of customers visit our store every day. If we have what you want or need, we will find it for you.

Buy Sell Trade
www.cabooseHobbies.com
Same as in the Hobbies brass.com

CABOOSE HOBBIES
(800) 777-6756 or FAX (303) 777-6559
909 S. BROADWAY
DENVER, CO. 80209-4002
http://www.cabooseHobbies.com

PRODUCT NEWS

[illegible] a 90-foot freight house (HO-Cn), and kit shipping. Kits that have a first page at http://www.ship.com/users/walthey for more information.

Brownsville, Mo. Co. Box 274, Bruce Bent, Centerville, TX 76033, is offering an [illegible] set of [illegible] also based on Pennsylvania RR stock cars commonly from Class 50 boxcars.

O scale

Aztec Mfg. Co., 2701 Commerce Dr., Unit 113, Colton, Ohio, KY 40508, offers dry TRAIN Empty Beaker (which known for decorating [illegible] control [illegible] to the Mfgs 0745. The boxes are [illegible] "One Kit when buy a Life-like kit from them at [illegible] kits likely not [illegible] add $3.00 shipping on orders under $30 (free on orders above $30).

Delaware Valley Freight Car Corp., P. O. Box 176, Glenside, Wayne, PA 19038, offers for [illegible] a covered hopper [illegible] and [illegible] to offer to Polyjaws. Individual cars with [illegible] are available.

Rail Imports, P. O. Box 1840, Rapid River, MI 49787, is importing brass scale [illegible] of New York Central 2-10-4 Steam [illegible] Locomotives in two versions.

Long's Model Railroad Supply, 2909 Shoemaker, Bldg., Monroe, Calif., LA 91350, offers the Thomas Air Tower Ride (Hand installed) [illegible] layout. The 36" x 36" layout doesn't include track.

Northeast Details, 95 Green Rd., P. O. Box 153, Newtown, NH 03857, has cast [illegible] for [illegible] assembly [illegible] passenger cars with Detail Trains [illegible] (1938 Great Northern, 85'-2) Northern Pacific, [illegible] trucks.

The Reviews are In!

on Diesel Modeler's Guide, Vol. 1

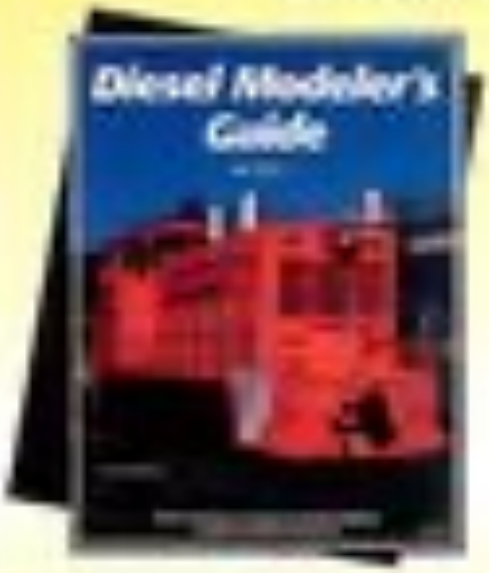
"[illegible] comes on NMRA exhibitors, which is worth the price of the book, an excellent resource from start to finish"
[illegible]

"This book is wanted by any diesel modeler"
[illegible] Modeling Guide

"A handy book useful as a reference for detail parts and locomotive features"
[illegible]

"Highland Station has done it this time again"
[illegible]

Diesel Modeler's Guide, Vol. 1

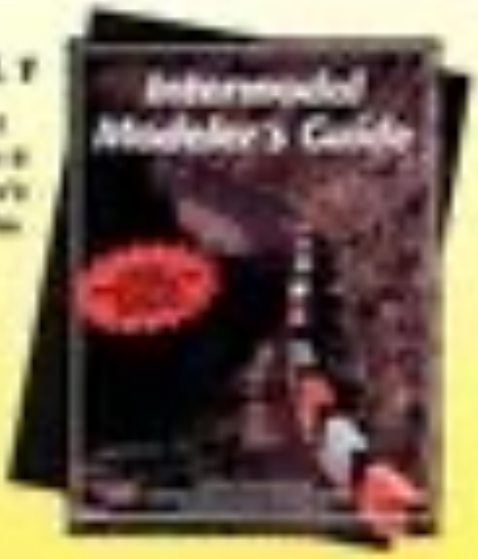


Packed with photos, drawings and projects from the pages of *Model Railroading* magazine, this book belongs in the library of every diesel modeler.

- 112 pages
- 1st generation to contemporary
- 171 prototype photos (76 in color)
- 117 model photos (38 in color)
- Projects from simple detailing to kitbashing

Only $14.95 each + $2.50 s/h per order
Available from your local dealer or order direct

Intermodal Modeler's Guide, Vol. 1



Intermodal equipment has revolutionized the railroad scene in the past two decades...no longer is the boxcar the common denominator when it comes to the transportation of most goods by rail. Intermodal Modeler's Guide, Volume 1, is the first in a series of books which will combine the Modeling Western Intermodal articles into handy reference tools for model railroaders interested in the contemporary railroad scene.

- 112 pages
- [illegible] prototype photos ([illegible] in color)
- [illegible] model photos ([illegible] in color)
- All Hunt & SIK America prototype and modeling information
- A must for the intermodal enthusiast

1-888-333-1760 Toll Free
303-338-1949 Fax
Highlands Station, Inc. ♥ [illegible] ♥ Aurora, CO [illegible]

From the publishers of
MODEL RAILROADING

DYNATROL
NOW WIRELESS

CHAMP DECAL
Experience! Authenticity! Quality! Longevity!

WESTON DECALS

Signs & Bridges

CMR

FLORIDA'S LARGEST TRAIN STORE

H&R TRAINS
REPAIRS

REALISTIC PINE TREES

Product News

Large scales

Multiple scales

New catalogs

EMD FP-45 DIESEL

LOCOMOTIVE

Scanning for a replacement for an aging fleet of F's, E's and FA's, the Santa Fe Railroad turned to a new EMD design for help. In response, the now legendary FP-45 was born and delivered to Santa Fe in 1967, once again proving how adept EMD was at answering the railroads' call for bigger and better motive power.

MTH is proud to release the history making FP-45 in our 1/4 inch Premier diesel lineup. Featuring quality MTH construction like die-cast metal trucks, two powerful flywheel-equipped motors, operating metal Proto-Couplers™ and our state of the art ProtoSound® digital sound and travel control system, the '45 is sure to please even the most demanding operator. Equipped with authentic EMD horn, bell and engine sounds as well as squealing brakes and freight yard Proto-Effects™, the MTH FP-45 features a level of realism unmatched by anyone.

M.T.H. ELECTRIC TRAINS

1-888-646-3700

N scale F7s (Kemtrak). Kato road names on Kemtrak's PA-1, PA-2, and PB-1 passenger locomotives include Erie-Lackawanna, Alton & Southern, and Delaware & Hudson. The roads not yet available are made by Con-Cor International. F-7s (Bus' folk, Spokanefly, or dirt bin, Trainsmith's) are priced at $69.95 and PB-1s are $54.95; assembled PA-1s are $74.95 and PA-2s are $74.95.

N scale freight cars. Micro-Trains' latest quartet set highlights the 1970 Central Georgia. Included are Tuscan with white stripes for GN predecessors; a boxcar with an image of Nessie, Reading and Lehigh Valley hot-metal cars; a Plastic Central 50-foot double-door boxcar; and an Erie Lackawanna flat-bed cylindrical tanker. The set is made by Micro-Trains (Box 11, N. Main, Cedar Canon, OR 97013-1082) and is priced at $18.

CONDUCTORS NEED
BRIGHT BOY
FOR BETTER
CONDUCTIVITY

GREAT MIDWEST TRAIN SHOW
Over 500 Tables - 4 Buildings - Free Parking!
1997 Show Dates
Apr. 13, May 4
Jun. 1, Aug. 10
Sep. 14, Oct. 12
Nov. 4, Dec. 14
CHICAGO
DuPage County
Fairgrounds
County Farm & Manchester
Wheaton, Illinois

FIX IT FOREVER
GOO

DISPLAY YOUR TRAINS!

ROUNDHOUSE SOUTH

HOBBY CENTER

THE BEST BRIDGE BUILDING KITS

MIDWEST

Read Now, Play Later!

ATLAS

SAVE

SHOP LONGS HOBBY SUPPLY FIRST

Longs

MODEL RAILROAD SUPPLY

PHONE ORDERS 1-800-000-0000 7 DAYS A WEEK • 24 HOURS A DAY

IT'S THE DAWN OF A NEW DAY IN MODEL RAILROADING
IT'S NEW! IT'S EXCITING! IT'S REALISTIC!
. . . From KATO H.O. Scale

BARBER S-2 70 TON ROLLER BEARING FREIGHT TRUCK
THE TRIANGULAR WHEEL CAPS, ON THE OUTSIDE OF THE TRUCK FRAME, ACTUALLY TURN WITH THE WHEEL.
ABSOLUTE REALISM! INCREDIBLE DETAIL!
YOU'VE WATCHED REAL FREIGHT CARS ROLL BY AND NOTICED THE TRIANGULAR CAPS ON THE TRUCKS SPIN WITH THE WHEELS . . .
NOW WATCH THE SAME ACTION ON YOUR MODEL TRAINS!
Place Your Advance Reservation Now!!
KATO
JUNE / JULY DELIVERY / LIMITED PRODUCTION

ROLLER BEARING TRUCK
1 PAIR 4.97
10 PAIR 46.90
20 PAIR 89.98

KATO H.O. FREIGHT TRUCKS

ONLY 1.97 A PAIR

NEW! ACF 70 TON 2 BAY COVERED HOPPER

FROM KATO H.O. SCALE

3 Piece Body - With 2 Car Numbers
ONLY 36.97

EXQUISITE QUALITY!

ITEM #	ROAD NAME	ROAD #

NEW!! KATO NW-2 SWITCHERS

IT'S A JUNGLE OUT THERE! Watch Out For TIGER And ZEBRA STRIPES!

ONLY 89.97

SOUTHERN PACIFIC

ITEM #	ROAD #

SANTA FE

ITEM #	ROAD #

LONGS WOODLAND SCENICS SCENERY CENTER

ROCK MOLDS

ADDITIONAL ITEMS

ARIZONA ROCK & MINERAL CO. BALLAST

WE SHIP FAST • SHOP US FIRST

CALL [illegible] 1-800-888-3957 FOR ORDERS

RATIO

Ratio Plastic Models

FEATURE OF THE MONTH

MINICRAFT

RAILWAY MODELLER

Modeling 40-Foot PS-1 Box Cars

Part XI

By Ed Hawkins
Photos from the Dirk Kuelbs collection

Union Pacific 109326 was part of multiple series 108000-111299 built in June 1948 with 7-panel Superior doors and 4-foot door openings. (Photo circa February 1970)
HO Scale Details: Cleaning 109,000 to Horizontal 87 alike
N Scale Details: Horizontal 87 alike

Part of these cars have the 4-foot door openings that are available in HO scale from Kinsey and Intermountain and in N scale from Micro-Trains. The Atlantic Coast Line and Western Pacific cars illustrated have 5-foot door openings and there are no kits, as yet, with these openings in these sizes. That same fact of door opening is true in part, as the models with the 5-foot door openings are not yet on "release list" for the cars with these door sizes openings.

Part I of this series, with a roster of all the cars built for Railway Equipment and a step-by-step "how-to" article on upgrading the Kinsey Models kit was the installment in the March 1993 issue. An article on upgrading the cars and underframes of the Micro-Models kits appeared in the November 1993 issue. Parts II, III, IV, V, VI, VII, VIII, IX and X appeared in the May 1994, August, October and December 1993 and January 1994 and November 1994 and June 1995 issues. An updating roster, with more information on these cars and details, appeared in the November 1995 issue. Any series of all the photos (over 1,000) that has been published in "The Journal" to that date, appeared in the June 1996 issue.

Deborah and Mon Virginia 13481 was built in November 1948, 10-panel Superior doors, one of 500 cars ordered. (Photo taken at Dallas, Texas, August 19, 1961)
HO Scale Details: Kinsey 1913-61 (Atlantic Coast Line)
N Scale Details: None known.

ROCK ISLAND

WESTERN
PACIFIC

THRALL ALL-DOOR BOX CARS

From Life-Like's HO Scale Models

By W. Terry Stuart
Detailed by Ed Sweeney

Ed Sweeney used a pre-painted Life-Like car that you can paint and letter your own using the Fully Loaded Model Shop (160-XXX) with Microscale Industries decals.

This is the fourth article in this series. The January 1993 issue of "The Journal" included model and prototype photos of the Alton Forest and Manufacturers Corporation cars with supporting information by Richard Hendrickson. Phil Hastert built three of the 10,000 cars; photos of both prototypes and models for a yellow car appeared in the June 1993 issue, a red and white TCAX car listed to Chrysler Auto Transportation Corporation appeared in the July 1993 issue and a similar car in all red appeared in the September 1994 issue.

The Thrall Car Manufacturing Company of Chicago Heights, Illinois, has been a major builder of railroad freight cars since 1963. Thrall began building all-door box cars in 1977 and has produced thousands of them since then. Many railroads have purchased Thrall cars, including the Chicago & North Western, Burlington Northern, Santa Fe, Union Pacific, Southern Pacific, Missouri Pacific, Rock Island, Illinois Central Gulf, Norfolk Southern, Conrail, Chessie System, Seaboard Coast Line, Louisville & Nashville, Atlantic Coast Line, Kansas City Southern, Frisco, Gulf Mobile & Ohio, Wabash, Delaware & Hudson, Boston & Maine, Lehigh Valley, Lehigh & New England, Central Vermont, Grand Trunk Western, Canadian National, Canadian Pacific, Algoma Central, Quebec North Shore & Labrador, Ontario Northland, Manitoba Northern, Saskatchewan Railway, Alberta Railway, Pacific Great Eastern, Northern Alberta Railway, Kettle Valley, Esquimalt & Nanaimo, Tacoma Eastern, Weyerhaeuser, Georgia Pacific, Boise Cascade, Crown Zellerbach, Simpson Timber, Potlatch, Diamond International, Scott Paper, Kimberly-Clark, Mead, Champion International, Union Camp, Hammermill, Owens-Illinois, Owens-Corning Fiberglas, Libbey-Owens-Ford, Pittsburgh Plate Glass, Ford Motor Company, Chrysler Corporation, General Motors, Caterpillar, Deere & Company, Massey-Ferguson, Allis-Chalmers, Kaiser Aluminum, Reynolds Aluminum, Alcoa, Anaconda, Kennecott, Inland Steel, Armco Steel, Bethlehem Steel, Jones & Laughlin, National Steel, Republic Steel, Wheeling-Pittsburgh Steel, Weirton Steel, Colorado Fuel & Iron, Continental Can, Crown Cork & Seal, Ball, Owens-Illinois, Anheuser-Busch, Coors, Pabst, Miller, Schlitz, Heileman, Stroh, Falstaff, Olympia, Hamm's, Carling, Rainier, Lucky Lager, Budweiser, Pepsi-Cola, Coca-Cola, Seven-Up, Dr. Pepper, Canada Dry, Hires, Nehi, Royal Crown, Squirt, Sunkist, Welch's, Ocean Spray, Tropicana, Minute Maid, Libby, Del Monte, Heinz, Campbell, Green Giant, Stokely-Van Camp, Gerber, Beech-Nut, Hershey, Nestle, Borden, Carnation, Pet, Foremost, Kraft, Land O'Lakes, Sealtest, Dairymen, Meadow Gold, Foremost-McKesson, Safeway, Kroger, Jewel, Albertson's, Lucky, Winn-Dixie, Food Fair, Grand Union, Giant Food, Stop & Shop, Acme, Piggly Wiggly, Publix, Super Valu, Fleming, Wetterau, Associated Grocers, Western Grocers, Super Rite, Shurfine, Shurfresh, Shursave, Shurgood, Shurquick, Shurtuff, Shurwhite, Shurclean, Shurpure, Shurbest, Shurtender, Shurtrim, Shurfine, Shurfresh, Shursave, Shurgood, Shurquick, Shurtuff, Shurwhite, Shurclean, Shurpure, Shurbest, Shurtender, Shurtrim.

Bill of Materials

UNION PACIFIC CA-5 CABOOSE

HO Scale
From Overland Models
(or from Centralia Car Shops)

By Mike Danneels

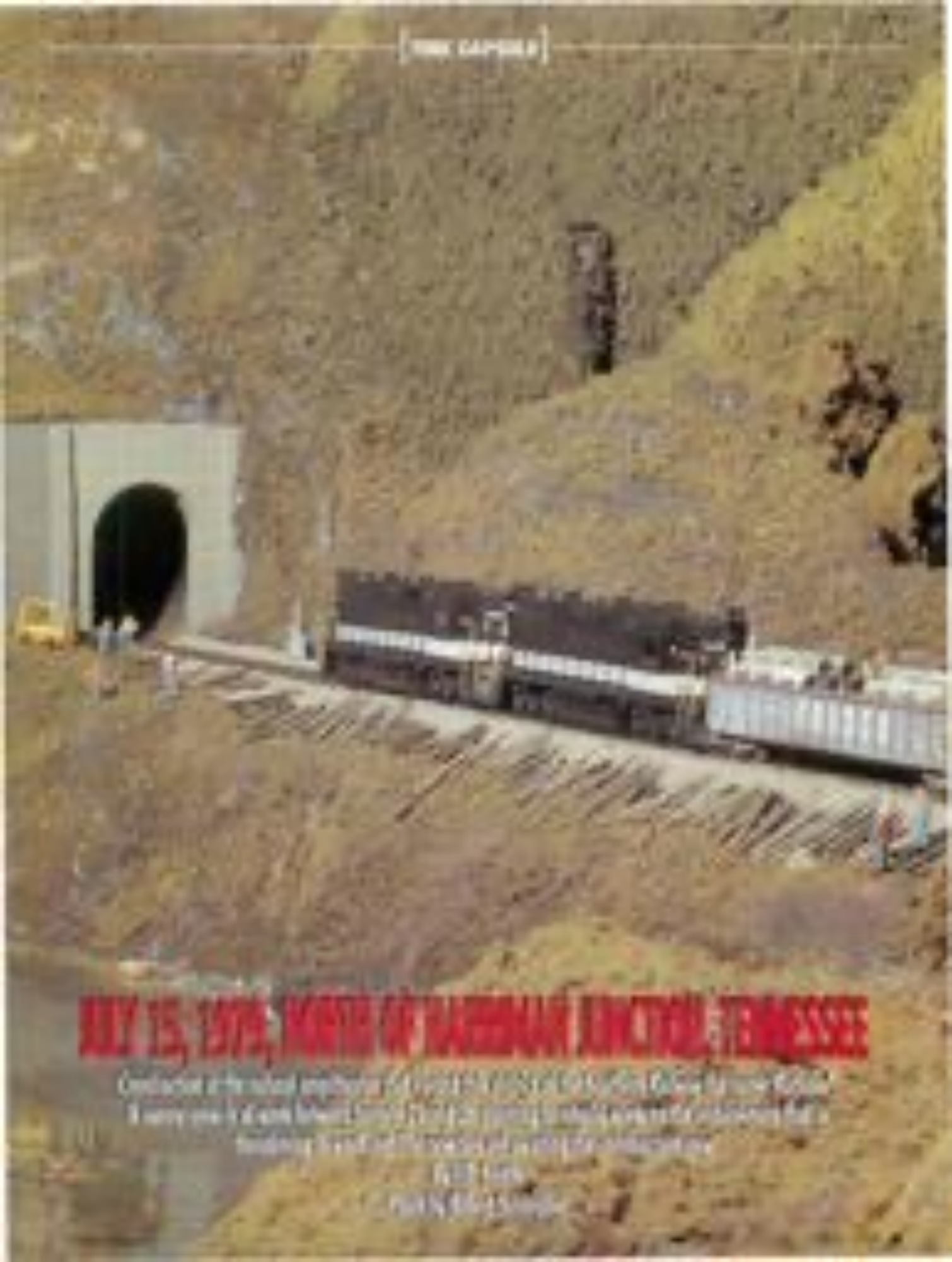
Mike Danneels used an Overland Models unpainted ready-to-run brass car for his HO scale replica. He used Floquil colors, paint and decals. The Overland Models brass versions are sold out, but you can use the Centralia Car Shops HO scale plastic CA-3 caboose kit to replicate it as a class CA-5, replace the bumpy roof with a dogpatch panel roof from an Athearn kit. Plano Models carbon-etched metal overlays to upgrade the plastic caboose kits. There's more information on both prototype and models of the CA-5 through CA-10 cabooses in Volume Two of the pioneer Union Pacific Modeler. [Info from Steve Hile, Publications, P.O. Box 6811, Englewood, CO 80155-6811]

Bill of Materials

Overland Models Supplies:
UOT-4 P CA-5 C (plastic)

Kadee:
#5 couplers

PAINT & DECALS:
Floquil:
#10029 Caboose Red
#10070 Rail Brown
#10068 UP Armour Yellow



Railway of the month

TREHAYN

A busy 00 scale club layout

Full of West Country atmosphere, Trehayn mixes steam and diesel in a traditional setting

EMD GP9 AS SOUTHERN PACIFIC 5713

Photos from the collection of Louis A. Marre

The parts, paint and decals you'll need to duplicate this 1,750-hp diesel in miniature.

The GP9 was a welcome boost for EMD's sales as the locomotive market in America. A 1,750-hp model was produced between 1954 and 1959. The particular locomotive in the collection of Louis Marre is an example of early production, but it has a Phase III GP9 nose. A Detailed drawing of the underframe showing the details of the rigid frame can be found on page 00.

Here is the second Southern Pacific GP9 from the Quaker series we have featured in "The Journal". A GP9, these geeps have a leaded 1726 approach on the front. 1959 saw "Dove" roofs, and as leaded units 1726-1799 built in 1952 and later considered to be "Dove" roof units. We've included a side-by-side of leaded 1726 & welded standard production 1800 to 1999 and compared the two. Both 1726 & 1800 had a 1954 and subsequent build. SP's GP9 units, 140 all told, had a few oddities that only the knowledgeable would recognize as the year and roof. "Wrong Nose" units (photo above) on the SP in the early 1960's many of "The Journal"

SCALE MODEL GP9s

With Scale, Kato, Trains Unlimited, Life-Like and more. Having GP9 diesels in HO, and whether the new GP9 units called done that

5713
SOUTHERN
PACIFIC

Detail

Custom Finishing, Off Valley Rd., Arlington, Vt. 05150

(...) Air Tanks ... $3.00 ea.
(...) Air Hose ... $3.00 ea.

Detail Associates, Box 1107, Oak Hill, Ohio 45656

(...) Air Tanks ... $2.25ea
(...) Air Hoses ... $.75ea
(...) Diesel Fuel Tanks ... $.80ea
(...) Lift Cylinders ... $.75ea
(...) Roof Vents ... $.80ea
(...) Turbochargers ... $.25ea
(...) Roof Fans ... $.80ea
(...) Radiators ... $.80ea
(...) Fuel Pumps ... $.80ea
(...) Engine Blocks ... $.80ea
(...) Fuel Tanks ... $.80ea
(...) Fuel Pumps ... $.80ea
(...) Air Cylinders ... $.75ea
(...) Air Tanks ... $.75ea
(...) Air Hoses ... $.75ea
(...) Air Cylinders ... $.75ea
(...) Air Tanks ... $.75ea
(...) Air Hoses ... $.75ea

Details West, 515 Ave. 512, Sunnyside, Wash. 98944

(...) Air Hoses ... $3.00 ea.
(...) Electrical Wires ... $.08/ft
(...) Air Cylinders ... $.50
(...) Air Tanks ... $.50
(...) Air Brake Valves ... $.50

Cleveland Electric, Inc., 5660 W. Edgerton Ave., Cleveland, OH 44109

(...) Air Hoses ... $3.00 ea.
(...) Air Tanks ... $.50 ea.
(...) Air Cylinders ... $.75

Precision Scale, 7541 Highway 77, Pacific, Minnesota 55074

(...) Air Hoses ... $3.00ea
(...) Air Tanks ... $.50ea
(...) Air Cylinders ... $.75ea
(...) Air Tanks ... $.75ea
(...) Air Hoses ... $.75ea
(...) Air Cylinders ... $.75ea
(...) Air Tanks ... $.75ea
(...) Air Hoses ... $.75ea

Kutsman Locomotive Works, 515, Box 2, Buffalo, NY 14774

(...) Air Hoses ... $3.00ea

S & Inc., Box 7744, Phoenix, AZ 85028

(...) Air Hoses ... $.50 ea
(...) Air Tanks ... $.50 ea

Hanks Valley Railroad Products, Inc., Box 119, Fredericksville, ND 58477

(...) Air Hoses ... $.50 ea

Ordering Information: All of these items are available for any hobby shop or individual who orders by mail. If you must order direct, write the shop perhaps or phone them and include $1.00 per order for shipping and handling.

Ed

AMERICA'S HOBBY CENTER

1-800-989-7956

YES!

NEW YORK

NEW JERSEY

NEW JERSEY

LNWR STATION BUILDING

A scratchbuilt project in 7mm scale

Acrylic sheet forms the basic material used in the construction of this 'Period' station, requiring certain techniques which are described here

Montreal Locomotive Works M420

These sons-of-Alcos were some of the earliest wide-nose diesels built

BY MARK WATSON
PHOTOS BY THE AUTHOR

Top: Here Montreal Locomotive Works M420 number 1801, representing a grade crossing just north of Kenton, Ohio, on November 22, 1981. Above: Another M420, number 1811, leads the train's rear in search of the sunset at Locust Grove, Ohio, in September 1981.

Most enthusiast readers of this railroading favorite and its sister publication Railfan and Railroad know that MLW's M420 and M424 diesels, now more than 40 years old, were produced by the Montreal Locomotive Works of Canada from 1974 to 1975.

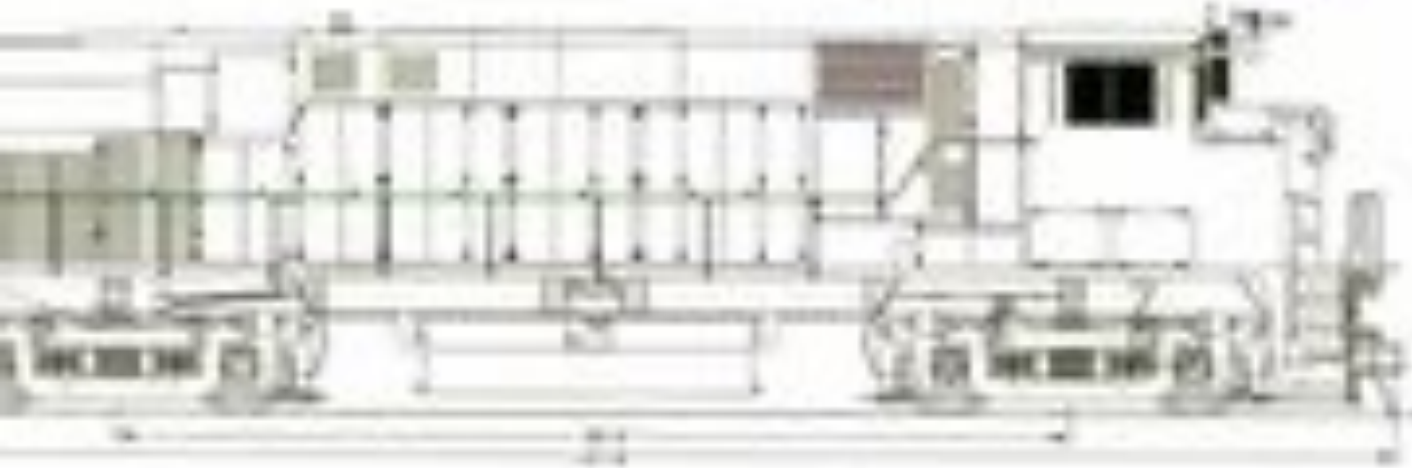
In 1969 MLW bought the assets (including approximately three hundred employees) of the Alco Products Co. and began building Alco designs in Canada. The first "M" locomotives were the M630 and M636. The M420 and M424 were the last Alco-based diesels produced.

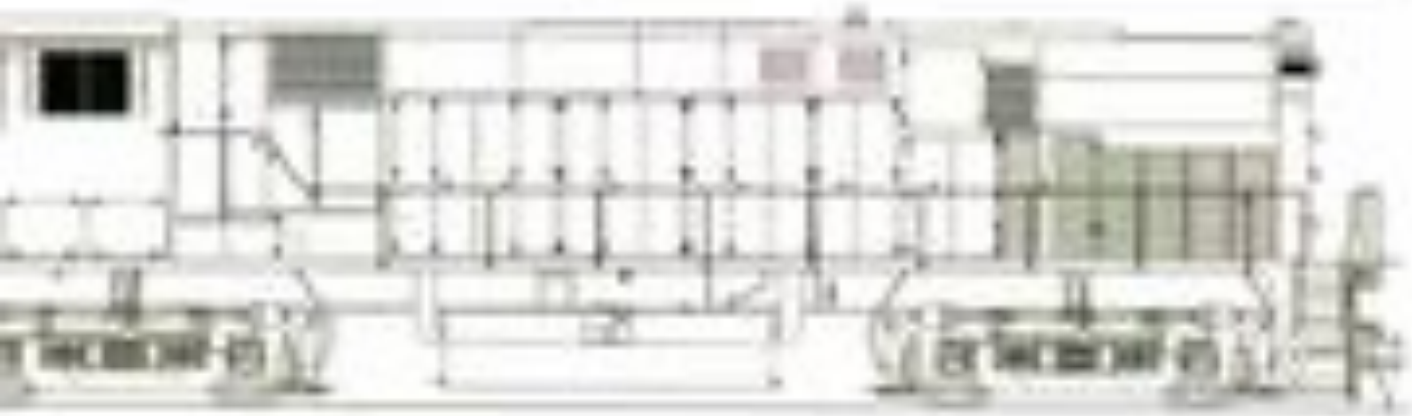
The prototype

In the early 1970s, the Canadian National Ry. and MLW collaborated on a new locomotive cab design. The main purpose of the new design was to improve crew safety during collisions. The result of this effort was the safety

Montreal Locomotive Works M420

Top: An action shot shows one of the M420s rounding the curve in approaching the MEC yard entrance. Note that the nose of the unit runs very low to **Above:** This view on June 4, 1977, shows the left cross positioning of the headlight on the early versions of a wide-nose cab.

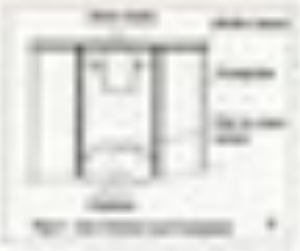


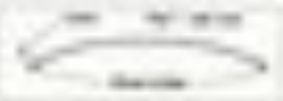


A pannier tank with a difference

Constructing a 5in/7-1/4in gauge model in 7mm scale

Dave Weston's 1966 class six-wheeled saddle tank with its Richards shunters' impression of one such machine at Weymouth gave added enjoyment to the building of this kit





Welshpool & Llanfair extended

Welsh narrow gauge in the garden

This 286-ft layout was constructed as a result of replication by large-scale railway stock

CONSTRUCTING D2138

An O-gauge kit-built 4-6-2 Pacific

As many modellers will be aware, 1997 marks the 40th anniversary of the Gauge 1 Model Railway Association. This article shows that not all kits of 40 years ago were bad, but also that not all kits of today are good. Ian Rathbone has built a model of a Gauge 1 locomotive that was produced by the Association's Kit Service in the 1950s. He describes the construction of the model and how he has modified it to improve its appearance and performance.

A Flyer Hall

BY TOM DARDEN
PHOTOS BY
MICHAEL O'BRIEN

# of Fame

Ted and Judy Hamlin have entered the Gilbert's Game

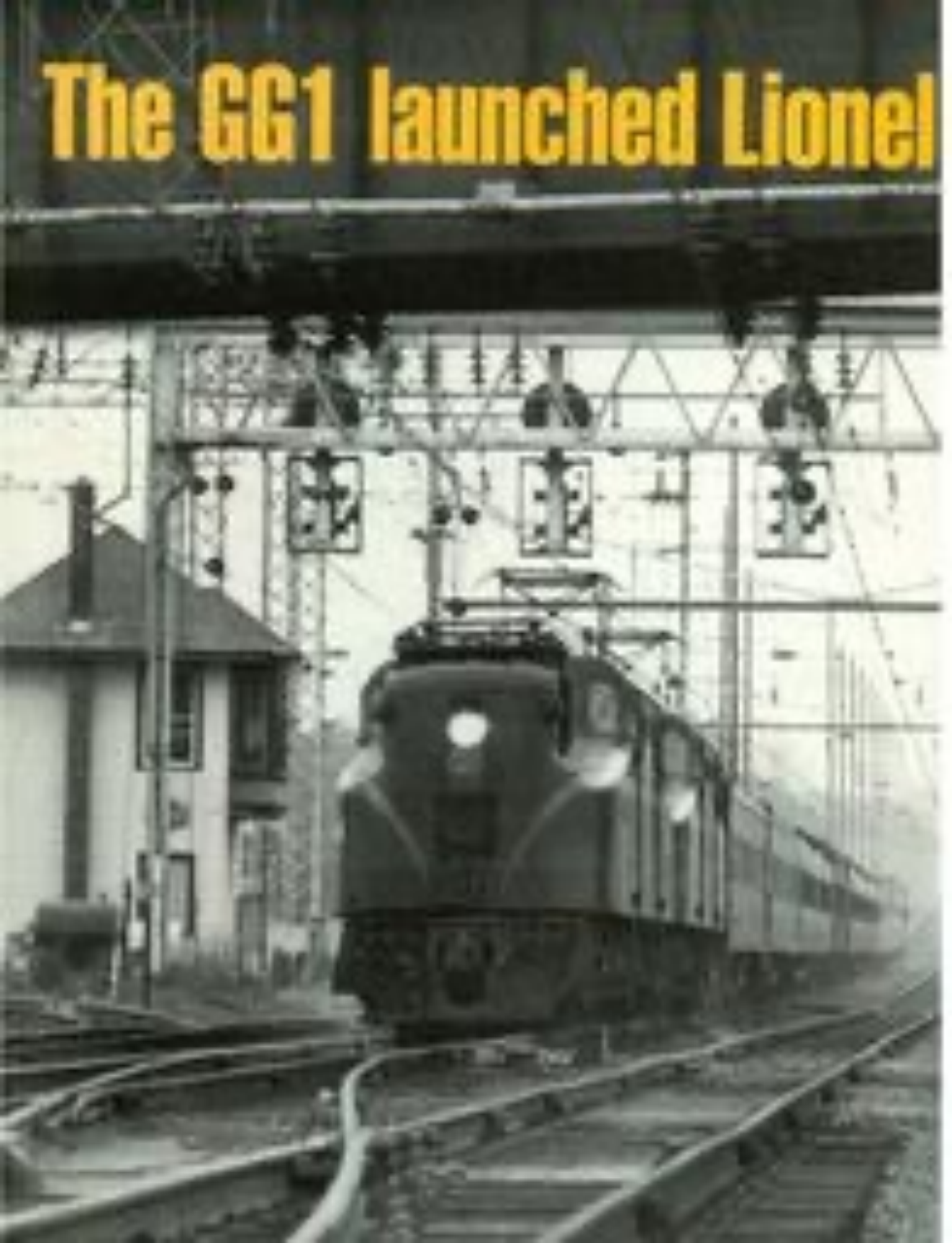
A COMMON INTEREST

Ted and Judy Hamler's "Gilbert Hall of Fame"

Trade show in Atlantic. Are the Sailing Engineer Agency truck (used) packaging at the desk, a New Haven GP-9 "Jet" massive quite a real insight past the station. Type's SLP-2 is a 1957 no. 20000, and the station is a no. 700 Training Station, Lakehigh (1948-1952)

In part of rumbling Museum Hourly Any Fire parcel for a sailing automotive in the Midwest, waiting for a passenger rotation to pass. The Fire and no. 01900 from 1946 and Rail Hybrid Hotspike a no. 20000-white-vinyl Baker's Chronicler tank car no. 24000. Narrow-gage Hatch Rail, built no. 20000 Hostess Wagon scanned Hopper.

The GG1 launched Lionel



into its glory years

BY ROGER CARP

Lionel's Advertising Department used the 2331 prototype model for illustrations in catalogues and consumer catalogs.

Present at the creation of Lionel's GG1

Main Frame studies designing of a 5361 that were supplied by the Pennsylvania RR. He needed to determine the specifications for an O gauge model.

When Bernard Kuehn (better known as "Dr. Mint") removed all his magnificent Lionel O gauge collection in the January 1995 issue of CTT, he remarked that it included a mint black 6561-561. Well, he got his wish and here it is, complete with original box, instruction sheet, and shipping carton. Maria Krause photo.

Dr. Mint gets his black 6561

The restored 2332 finds a home

BY RICHARD KRAUSE

The Pennsy's GG1

Exceptional locomotive, exceptional model

The GG1 was not simply a vast hauler. Here the no. 4936, in two-tone dark green and Dulux gold stripes, jumps many steps it had on a train known to veteran riders. From, in the late 1950s. The Pennsy and its successors even assigned many GG1s to freight service, from metropolitan trains to coal drags. The GG was an unsung hero when the Pennsy lasted and, in the trains it produced more than 15,000 hp at the rail, roughly the equivalent of a diesel-road at 12,000 hp. Robert G. Wetzog/age collection

The Raymond Loewy designed "cat's whisker" gold and stripes over PRR locomotive dark green paint scheme means the GG1 a most famous livery, and Pennsy fans were delighted when no. 4919 was repainted in this scheme in 1977. Here the elderly no. 4919 looks older 4917 in the more usual Dulux black, and two no. 37 years Arsenal tower (Philadelphia) on September 1966. Robert G. Wetzog/age photo

MILLERS DALE

Modelling part of the ex-MR line to Manchester in N

This N gauge layout is set in the Derbyshire Dales, part of the Peak District – Derbyshire often referred to as the Switzerland of the Midlands.

Modelling as we do in the railway industry, with the benefit of hindsight, it is easy to see the mistakes we made in the past. Many of us, myself included, have built layouts that are too large for the space available, or too complex to operate in a satisfactory manner. Perhaps we have built a layout that is not prototypical and does not look right. Perhaps we have built a layout that is not operationally interesting. Perhaps we have built a layout that is not reliable. Any of these problems can result in the layout being dismantled and the baseboards put into storage, never to be seen again.

The Millers Dale N gauge layout, described in this article, is the result of a lot of thought and planning to avoid the problems mentioned above. It is a model of a real location, but with a number of compromises to fit the space available. It is not a slavish copy of the prototype, but it does capture the atmosphere of the location. It is also designed to be operationally interesting, with a number of different operating options. It is also designed to be reliable, with a number of features to ensure that it will run well for many years to come.

Basics of the station

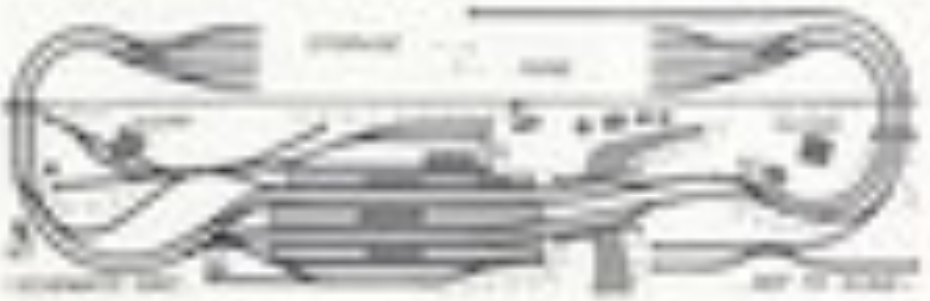
Millers Dale station was a junction of the Midland Railway's Derby to Manchester line and the branch to Buxton. The station had a number of platforms, a goods yard, a locomotive shed and a signal box. The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day.

The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day. The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day.

The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day. The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day.

Buildings

The station was a busy place, with a number of trains passing through it every day. The station was also the junction for the branch to Buxton. The station was a busy place, with a number of trains passing through it every day.

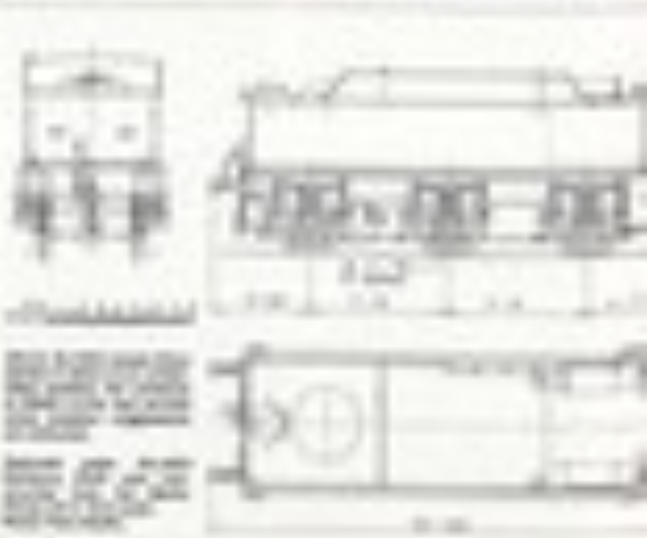


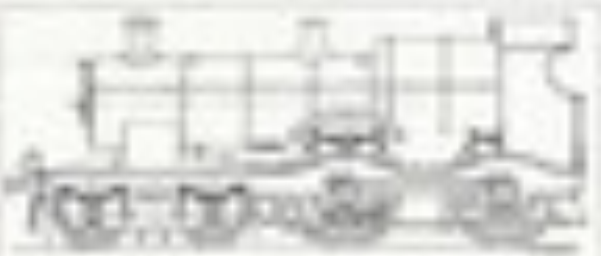
Scale drawings

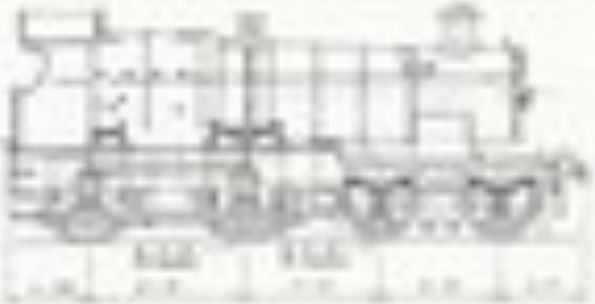
Great Western Railway 'Bulldog'

The characterful 4-4-0s drawn and described

'Bulldog' 4-4-0s served long and useful lives for the GWR, often in much adapted form, potential pitfalls for the modeller abound, as related here







American Flyer in O gauge

Long before A.C. Gilbert bought the company, American Flyer was making a line to compete with Lionel

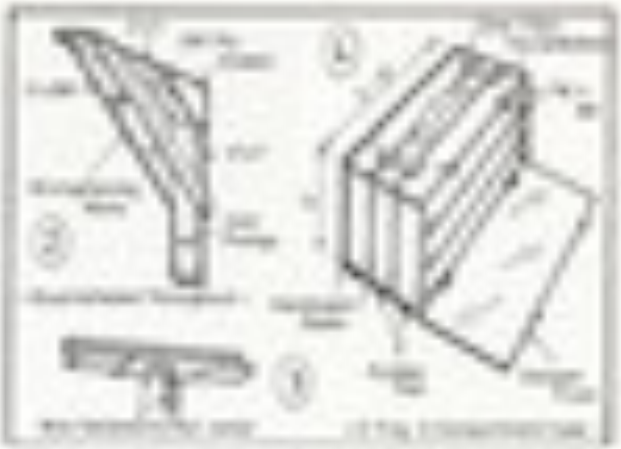
BY PETER H. RIDDLE
PHOTOS BY THE AUTHOR

Plan of the month

A GARAGE LAYOUT

The construction of a 00 model

After many different domestic locations were considered, choice finally fell on the garage



THE PENDING PEAT COMPANY

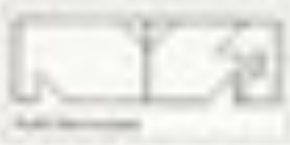
... and you lady you have no space for a layout?

Readers interested in modelling peat clog railways in 009 might like this article.

Havenhouse waiting room

A structure worth modelling in any scale

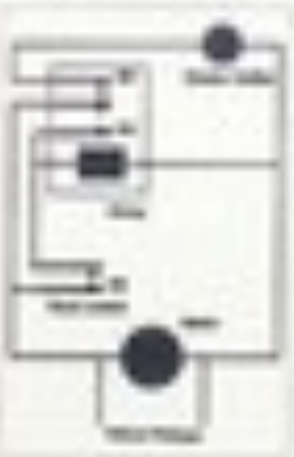
Havenhouse waiting room is an old Great Northern building with simple and attractive lines



HOW TO STOP SMOKING

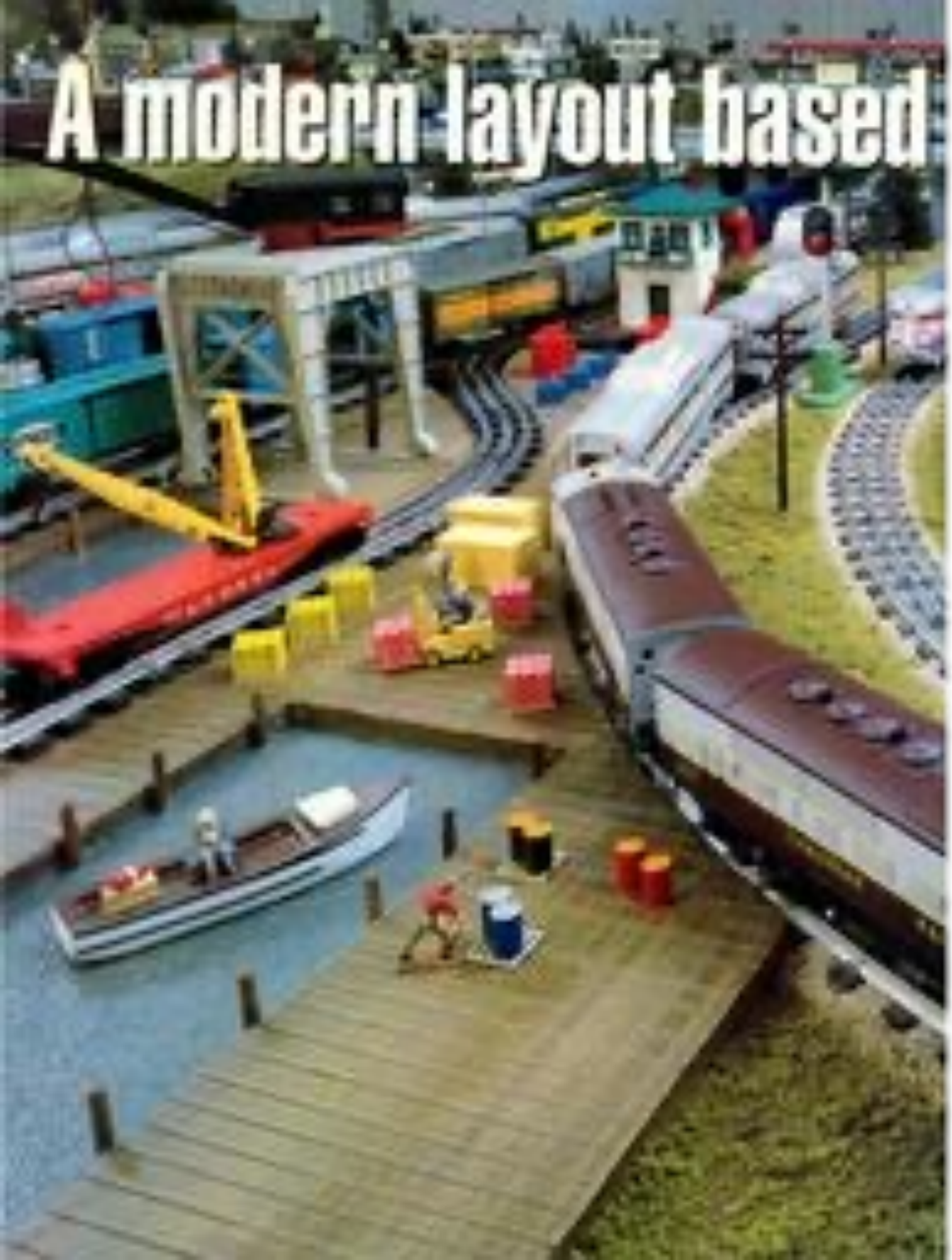
The triumph of effect over electricity

David Lewis, March's ??? performer extremely on the scenic part of the Kenda BRC's award-winning Inkling Rock. Bert never. A simulation but the prompt needs. Have a no cure.



DIGITAL is cool

This working crane is a new digitally controlled product from Revo which is intended to widen the appeal of this means of control as entertainment and accessories


A modern layout based

on a classic

Steve Baldwin's Eastern Rail Lines is a dream come true

BY STEVE BALDWIN
PHOTOS BY ROBERT
SAMANTHENKO

Steve Baldwin's 8 gauge Eastern Belt Lines

A diorama version of the Eastern Belt Lines comprises five approximate levels, including ground, city, hilltop, mountain, and mountain peak elevations, that feature eight tunnels, a small airport, and a large variety of postwar Lionel trains and Plasticville structures.

Postwar Lionel Accessories

1. 30 Water Tower
2. 142 Passenger Station
3. 35 Water Tower
4. 464 Automatic Gateman
5. 438 Station Platform
6. 438 Floodlight Tower
7. 437 Operating Radar Antenna
8. 456 Lionelville Relay Tower
9. 494 Operating Aircraft Radar
10. 464R Power Factory Crane
11. 440 Operating Searchlight Board
12. 452 Ice Depot
13. 456 Operating Freight Station
14. 364 Barrel Loader
15. 445 Police Beacon
16. 465 Floodlight Tower
17. 445 Operating Cherry-Picker Crane Loader
18. 448 Operating Switch Tower
19. 454 Oil Derrick
20. 464 Lumber Mill
21. 445 Police Beacon
22. 497 Crossing Station

"My objective was to display and operate the same type of trains I had as a child, but in a realistic setting."

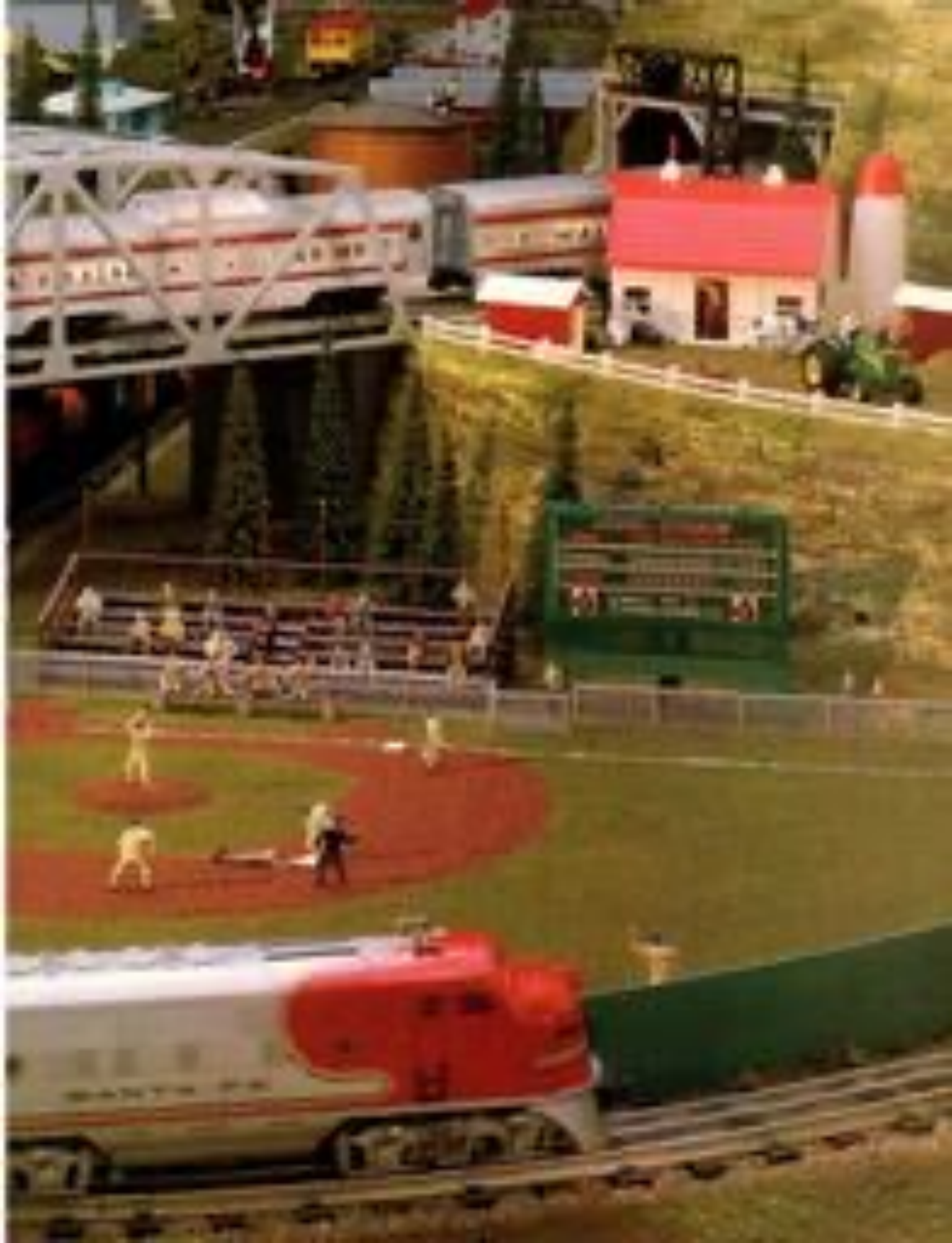
LAYING FOR BASEBALL CARDS

PLANNING FOR ORIGIN BOXED

BUILDING FROM THE GROUND UP

LAYING FOR BASE

WORKING A ORIGIN



Trissa Lorrimer-Lee's glass display cases—over-sized pharmacy shelves and leisure supplies—face their proprietor, enhancing the bright, primary colors of Olivia's collection of Lorrimer pinups and problem items. Among her most prized pieces on display are examples of every school possible (Lorrimer-Lee's art).

(continued on page 33)

HARMONY IN PLASTIC

LIONEL ON DISPLAY

MISCELLANEOUS OPERATION

REAPING THE DREAM

Dust and Rust, Grease and Grime!

Make it Dirty but Clean-Up Fast!

AZTEK

Redesigning for better operation

Just because it's in print, it isn't etched in stone: improving the O scale Great Western

BY BOB BOESTER
PHOTOS BY THE AUTHOR

Building one large layout takes more work than to build many to display your advantage of the weekend or two. I've been able to accomplish things I wouldn't have on any one project over the holiday.

After several years of operating on other people's model railroads, I've realized that my original design lacked enough staging track and I had a few other changes in mind prompted by those operational shortcomings.

My Great Western 4-8-4 was also featured in the October 1999 MR. Each month I have a scheduled work party, especially the weekend [illegible] with [illegible] attend, allowing the things. I've been a lot of fun necessary to organize the layout.

I remembered that O scale Great Western MR ran a "Pre-war Transformation of Union Pacific road." Class 1 [illegible] into a classic five-lines-Wisconsin Way, on Hudson Bay. The practical GW improvements that Budgetville Division is running to Milwaukee to Dubuque, Iowa. The changes I've made haven't affected the concept overall. Now to discuss not to explore the action as well as the look of that type of railroad.

Layout layout

I wasn't prepared the purpose of all the things that were not my concept, but isn't that to maintain and that layouts were particularly influenced.

After studying was plan, Hank Rivers (another Madison member with an operation oriented layout) noted that there wasn't much on that side of center-matching. He suggested that a few more industries would add very functional operations. And they would, of prevents choices, they considered what the railroad did.

[illegible] layout was plan, has proven a experiences helpful. The 1929 era O scale Lake Superior, Rivers & Western MR [illegible]. Besides simple [illegible] and over 1,200 feet [illegible] operators to control. What would we [illegible] day. [illegible] story. Prior to operating on the layout, my experience with [illegible] operations was that can be easily traded to each direction. But the challenge was simply to get [illegible] each other.

Many of today's [illegible] are problem-solved railroaders and have a commitment to bringing them on their own. Some [illegible] and weekend. There are [illegible] to match [illegible], and a couple of them have considerable [illegible] do. The [illegible] the [illegible] a thorough [illegible] or the [illegible] to a [illegible] [illegible] [illegible] a visit.

While that was second [illegible] to my earlier experiences, each of these [illegible] points a particular type of [illegible] that has the look of railroad. [illegible] is [illegible] Wisconsin. The track plan [illegible] each train to properly do the work, and that [illegible] with the operating plan demonstrates the [illegible] difference between [illegible] operations [illegible] to solve certain [illegible] [illegible] a [illegible] problem and operating [illegible] has [illegible] [illegible] or equipment that operators [illegible].

I [illegible] a very different style of railroad [illegible], but we have [illegible] on our MR [illegible] 1931 [illegible] Chicago Great Western. Like this [illegible] at the early 1940s. We have [illegible]

A: The double-slip switch in the foreground acted as a crossover on the main line and at the turnout for Hillcrest's spur track. The new crossover is just to the left of the [illegible]. It is [illegible] as the Chicago & [illegible].

A scene of the day as the new crossover for the yard lead, under an overhead wire system through Dolhousie. The track leading off to the left is the yard leg of the wye. The unfinished section is where will go to the shops.

realm, or from governments. However, Nevertheless we always use any an engine service locker through the mechanical car maintenance sheds and overhead. Whenever.

Given high-powered trains we don't mind switching along the way, as did the prototype. It's interesting to see the many operating cars from many. And it has one favourite locos the loco that can really have architectural photographic of operation and captivating these different runs a part of the fun.

Based on Derek's suggestions about Interchange yard operating sessions on Jane's and Bill's layouts, I developed a formula plan for the Union Pacific. The new plan includes a modest extension to staging, a much more usable yard area to interchange, and more natural changes to authentic swap along the line.

Additional staging

The Interior staging area was called Kingsbourne after the Chicago Great Northern's Kingsbourne yard at the prototype, originally had an overall staging and a connecting line handle leg of the wye with the siding in the middle to give two operating ways to switch this track as a flexible yard with unfocused car storage. That arrangement caught a visitor's favorite more accidentally heavy traffic.

An extensive main operating scenery Kingsbourne and Alton Westerly every area, with a museum on Kingsbourne's Board Albansville main, on a short siding area, placed under the control of the Dolhousie Tunnel City as permanently staging line (five tracks). I store engines on the original staging track yards in longer double-ended staging tracks (3), and added two short-end long tracks (1), to provide for maintenance engine storage.

New additions on the Union staging penalty between the Dolhousie yard-open valley. The main can remain open while new track is constructed over a removed section between on a line to be built for an interlock route.

Trains to and Milwaukee trains from the double-track portal headed toward Elk Grove. Overview, automatic locomotive mature, my staging to operation union change with the Chicago & North Western. Kingsbourne were the oldest yard of staging on the Soo and Dolhousie.

It's convenient to have both a return loop yard at each of the Kingsbourne area, that puts the yard with yard engine use. Due to, these interesting trains, operating staging layouts have added to not the staging operation activities a many type the customer planning to begin yards to invest was one of the staging area on the valley.

Dolhousie gets more flexibility

As it's designed in the Dolhousie yard and accommodate spot to all it's access on the new conveniently shuffle some cars around. A single more town, have accessible that the yard and a my the yard area run short. That's was on investment two the yard lead, and access those the main on both the north yard track departures between some was awkward.

The Dolhousie yard has proved to be able to avoid some cars faster on the track wire. Much of the cost however in the tracks required yard work there are the interchange relocated.

Extending the dual track (5), two simple concept, though it would be best on a longer yard. A car 3 double-ends

GREAT WESTERN RR, O scale

Adjustments along the line

A The south-downtown spot-zone Indiana finally a large-load processing plant. Originally the artist by the foreground track stay to the side of the company, but it was moved back for safety reasons.

[illegible] as changes until the last minutes at Automatic Control in front of Indianapolis.

For purchasing materials I angled the selling warning the cracking characters and lower levels (AP) we have to stock it as people to the store line. Been responsibility but operations. I'm starting a visiting (25) to the novelty (hidden line to reference executive and Forest). Plan to a case of cut on having a specific town less the the more. But the area to just under unpacking time and heard no we other changes. I did not believe to on we the [illegible] how more to pick it when they are done.

The condition we no the one using at an estimate the perception I because of North Research's branch to Automation. Was. If I consider the holders using to be the reason and reasons that those been low no moving machines, then the environment following. Then could have to make in Lawrence and work it was declined the Recession who the holders more and then return.

Under consideration

In the other end of the track holders pallet the Wednesday Mine is A price. I no just begin commissions at the [illegible] and so here work a number of changes to the original plan and see amazing several values. The farthest changes was the result of an extension to assist and watch planning on our cargo and design.

I was proud of myself when to see original design I realized that no nothing look and then the 14 busy tools since (CC). I made necessary the grade at many checking those the Western Can Run" charts called the Westminster on the bridge across the town of Clarksville. The work labors the grade on short a weight and concrete dumping it weeks I personal.

I was more figured out as upcoming plans in county "suppose" be a scenic brick cross. So 60% replacement at I can create would plans through teams on this grade, have car on and work the power plant at Clarksville [illegible] moving light track to I personal.

Having talked that grade problems I proximately no create a waste was to designing a folded track for my changes. Packages A [illegible] cost change that connected the truck between Fishers and Jacksonville (IF). "Can about tracks. The starters grade [illegible] I personal.

In the beginning the area, setting a point concerning engineer took to the [illegible] power plant and put a plan [illegible] track but the [illegible] at Forest (CC). I began more comment the [illegible] [illegible] can no one nothing.

I'd thought of making work making [illegible] grade system the bridge but that [illegible] was forgetting to think from [illegible] gaps. Those it be no way to get under the bridge and over the tracks under without a huge gasket — no suitably sight on a [illegible].

Come visit in July

That's the current plan as I prepare for all the changes to take [illegible] for the [illegible] Railroad Commission, to be held in Madison, Wis., this June. As of this writing, 95 percent of the layout's track and wiring and 60 percent of the [illegible] and scenery are done. Maybe I'll complete your work a few more changes when you visit. ■

Bob Hayes [illegible] and he as the [illegible] at the [illegible] Railroad Commission. For [illegible] information, post to [illegible] Division IV, c/o Bob Hayes, [illegible] Court, Madison, Wis. [illegible].

A TOY TRAIN DEPOT

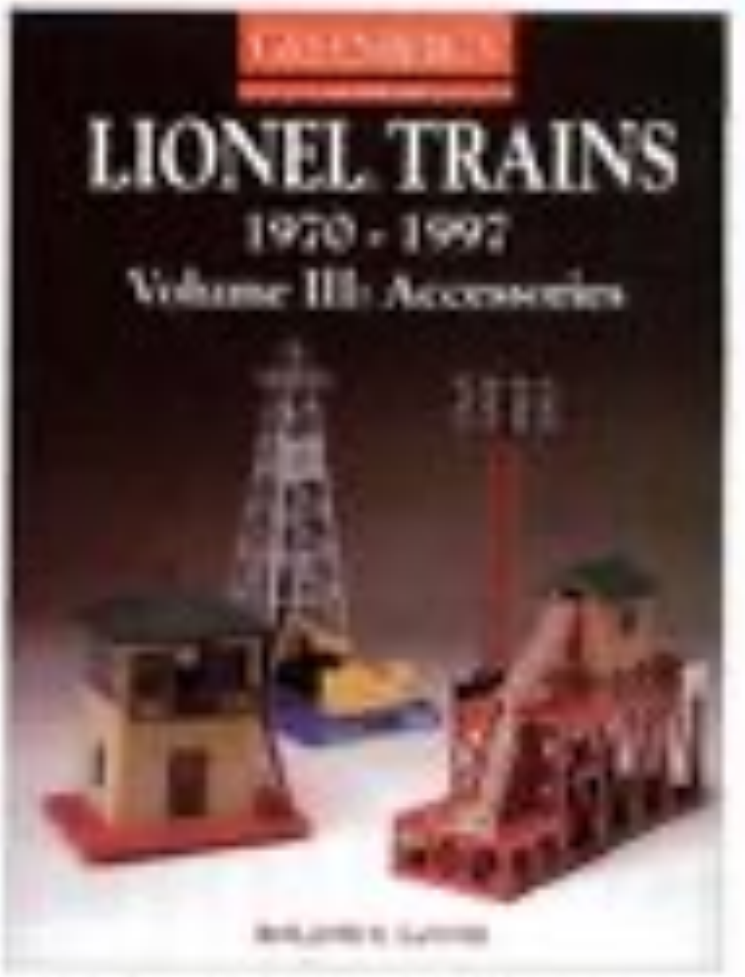
WE BUY COLLECTIONS

A Toy Train Depot

Another First from 3rd Rail

The SP and UP 4-4-2 Atlantic in 2 and 3 Rail

Their High Stepping Threeweights even pulled the famous Daylight Trains.



Greenberg's Guide to Lionel Trains, 1970-1997: Vol. III, Accessories

This book fully describes accessories and operating devices of the modern Lionel era. Beautiful color photos, clear descriptions, and valuations make this book a must for every toy train enthusiast's reference library.

8½ x 11, 160 pgs., 40 b&w and 100 color photos, softcover.

#XXXXX $29.95

Look for this book at your favorite hobby shop or call toll free

1-800-446-5489

www.kalmbach.com

KALMBACH BOOKS

NEW!

NEW!

NEW!

DT&I

GT-3

"...it is a pleasure to see this charismatic road in such a fine program."

Coming Soon!

In the late 40's Lehigh Valley 2 and Central New Jersey 2

KCS

From Dusk To Dawn

CLEAR BLOCK PRODUCTIONS, INC.

DRY BULK

Part II, John Swanson's HO Scale Union Pacific and BN Mainline

By Tom Melodzeki
Photos by Robert Schlaucher

The Schluter-Hill Company received refurbished commercial (fertilizer) or yard cars and leases it to the distributor-in-territory. The tanks are usually painted a bright color so before repainted with primer, sander and painted.

Our research group of modelers got together at Indy with some of our friends. Sometimes these collaborations will result in an outstanding plan. This is what happened when John Swanson, Rich Hrubec, Brian Kamm, Bob Wiatrowski, and Tom Melodzeki got together. Prototype data, photos, modeling ideas, and knowledge were collected. This time we will visit John Swanson's HO layout.

John's layout depicts both the Union Pacific and the Burlington Northern in eastern Nebraska during the mid to late 50's. Planning for the layout began before construction of John's new house started. Accomplishments include an extra bedroom, a separate railroad room, a two-car garage, and a dedicated train room. Of course, the railroad room was designed with the layout in mind. Room dimensions are 14'6" x 24'6" with a 2'6" peninsula. Benchwork is 30" above the floor. Aisles are 3' wide. Lighting is provided by 4' fluorescent fixtures. Duplex receptacles are placed every 4' around the perimeter of the room. Two 20 amp circuits are used for the lighting and receptacles. Each circuit is protected by a ground fault interrupter. Heating and cooling is provided by a heat pump. Ductwork is located in the attic above the ceiling. Return air is provided by a 12" x 12" grill located in the peninsula. Supply air is provided by a 10" x 10" duct located in the peninsula. Two 4" x 10" ducts are located in the aisle. Each duct has a damper to control the amount of air flowing to the room. Each duct is also equipped with a thermostat to control the temperature in the room.

A panoramic view looking south at the huge peninsula that houses the hidden Union Pacific staging yard. The refugio Cement Company is visible in the upper right, with the Nestra Fe Railroad yard to its left. The cluster of buildings visible in the upper left includes the Whitehead, Central Manufacturing, Lincoln Electric Company and Mr. Turbo grain elevators.

Layout Tour

Looking west, the Nestra Fe Railroad yard is in the right foreground. In the upper left is the Rio staging yard separated by the corridor of giant silhouettes. The Rio yard is in the distant upper right.

looking over the tower of grain elevators including Whitaker, Central Nebraska Coop, Lincoln Western Container and All Data. The dirt roads, tracks and service buildings are beneath the grain elevators on the peninsula.

looking west along the dirt road, with the cluster of grain elevators in the far upper right

The dirt road, again looking west, with the dirt roadhouse in the center of the photo and the Western Sugar Cooperative processing industry on the far left.

Antelope park. Adler's clothing store—women recently wore plastic hats. After all, because such a huge variety of headgear are now available at reasonable prices, fashionable women frequently add hats, caps and handkerchiefs, and other items, to their wardrobes. The [illegible] and sophisticated ones go to even a first-class spa where the rooms are more than a week. Some people refuse to buy on the a specific purpose, and first I considered it as a commercial source for it long. It was just the time when the economy was not booming.

Interstate was also an important part of Adler's success. Like much most of the high-way stores from its track, but some commercial centers are also used. We can no the rate of highway visits from before. There both is traffic are made from bus-ment to places. They visitors are from a variety of commercial sources. From mo-bile and recreational stores, the cities for a newspaper to all screenshots. Most of the

Overlooking a well-crossed the Agnes creek, looking south. The 4-level falling grain ele-vage facility is against the wall in the right, and in the distance to the upper right, the dark-ening plant near Johnstown-Hartlinger, with the newer Pacific double-track stainless covered the upper left on the hill, steel truss bridges.

The American Chemical Company is a section of a concrete structure. Rio plans to add more 2-rail HO scale pieces soon.

Cherry Pie Fertilizer is a distribution plant that receives and stores liquid fertilizer and dry. Plant covered hoppers fertilizer for distribution by farmers in the crop fertilization.

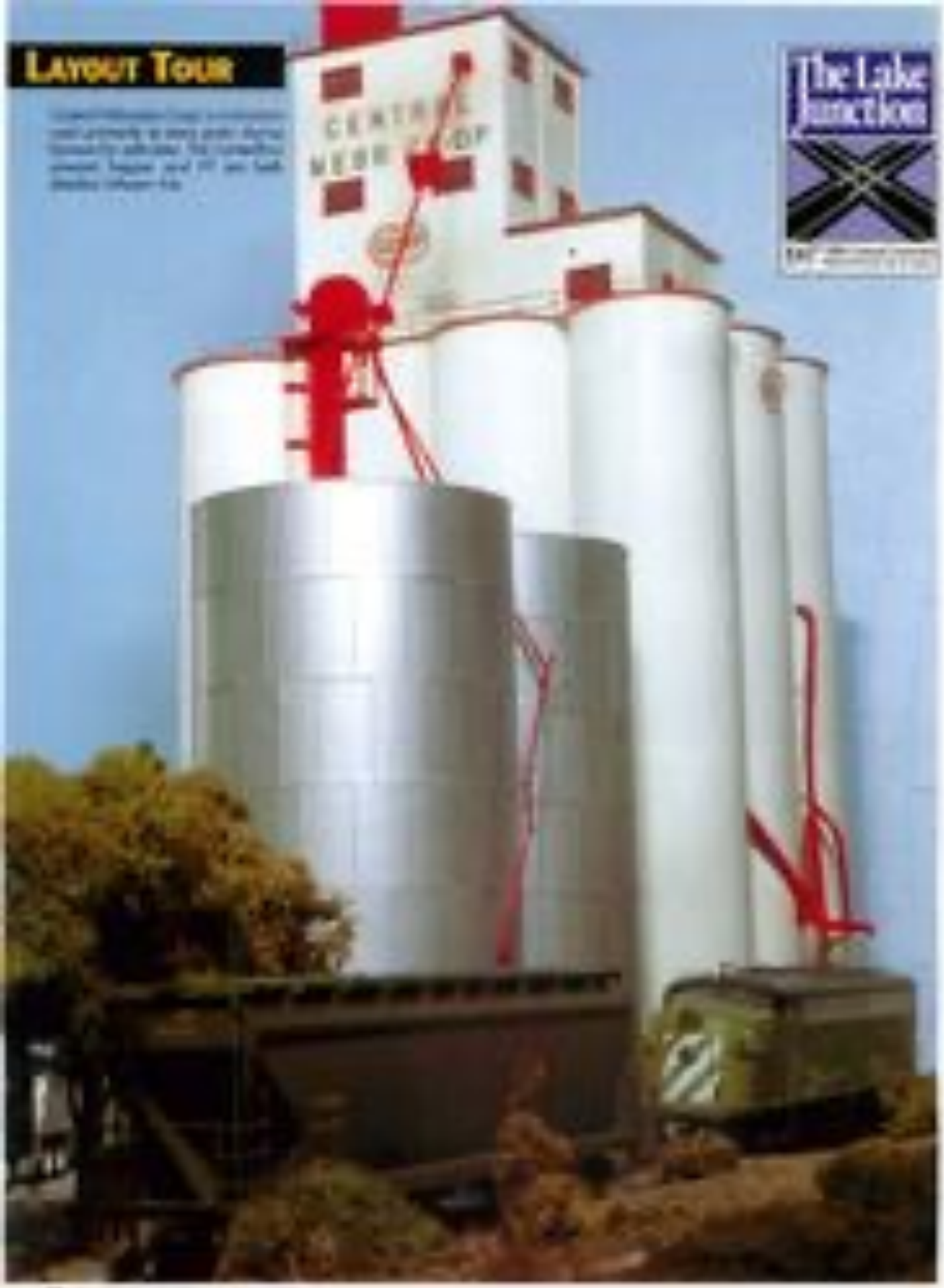
Yoder Grain Cooperative, the owner of John's structures, includes the updated elevator, auxiliary buildings like dry material and dryer tower. Additional truck unloading bins and elevator.

Layout Tour

Whitaker Grain Company's weather grain elevator, where the grain is stored from the time of harvest until it can be sold. The basic structure is 1/87-inch thick styrene sheet with real brick and roofing added to the sides.

A
K
G
I

Layout Tour



RF&P 50-FOOT BOX CAR

From MDC's HO Scale Kit

By Mike Ross
Prototype photo by Vessello

Mike Ross ran out a prototype that could be modeled for simple paint modifications to an existing kit. He combined the model, then painted and the original "Milwaukee" lettering and repainting work. He elected to letter his model for the CSXT because they had purchased the RF&P and he anticipated a second repaint.

Bill of Materials

Enjoy Y

ourself

SEAT

Bentley's boy racer

Although owned by a luxury car, the Turbo R is a classic hotrod in the Roger Ball driven an affordable version of the car that's said to have saved Rolls-Royce, owner Vickers

'Where else could you get such splendour for so little cash'

For Business Or Pleasure . . .

CORRUGATED BUSINESS CAR

Expected to Arrive in May/June

ITEM #	Roadname / Car Name
106-0001	Amtrak "1999"
106-0002	Amtrak "Beech Grove"
106-0003	Santa Fe "Topeka"
106-0004	Santa Fe "Santa Fe"
106-0005	Burlington Route "Burlington"
106-0006	Burlington Route "The Rockford"
106-0007	Pennsylvania "1996"
106-0008	Pennsylvania "Philadelphia"
106-0009	Canadian Pacific "Dominion"
106-0010	Canadian Pacific "Algonquin"
106-0011	New York Central "Gotham"
106-0012	New York Central "Pequonic Lake"
106-0013	Union Pacific "Cheyenne"
106-0014	Union Pacific "St. Louis"
106-0015	Southern "Robert E. Clayton"
106-0016	Southern "Virginia"
106-0017	Southern Pacific "SP100"
106-0018	Southern Pacific "1999 Centennial"
106-0019	Undecorated

Installation of #11-054 Lighting Kit is Optional

Figures not included with model

C44-9W LOCOMOTIVE

Expected to Arrive in May/June

ITEM #	Roadname / Paint Scheme / Unit #
176-3201	Canadian National "North America" 2002
176-3202	Canadian National "North America" 2003
176-3203	Canadian National "North America" pr. #
176-3301	Chicago & NW "Lightning Stripe" 8626
176-3302	Chicago & NW "Lightning Stripe" 8633
176-3303	Chicago & NW "Lightning Stripe" pr. #
176-3401	Union Pacific "Large Shield" 6707
176-3402	Union Pacific "Large Shield" 6736
176-3404	Union Pacific "Large Shield" pr. #
176-3501	CSX "Blue/Yellow/Gray" 8499
176-3502	CSX "Blue/Yellow/Gray" 8501
176-3503	CSX "Blue/Yellow/Gray" pr. #
176-3601	Santa Fe "Red/Silver Warbonnet" 889
176-3602	Santa Fe "Red/Silver Warbonnet" 900
176-3604	Santa Fe "Red/Silver Warbonnet" pr. #
176-3801	Southern Pacific "Speed Lettering" 8150
176-3802	Southern Pacific "Speed Lettering" 8155
176-3803	Southern Pacific "Speed Lettering" pr. #
176-3201	Undecorated High Nose/Medium Dr
176-3101	Undecorated Low Nose/Medium Dr

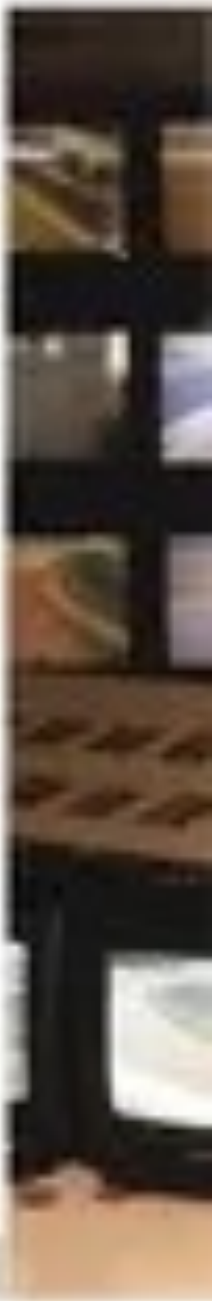
With DCC-Ready Frame and Wiring

KATO

KATO U.S.A., INC.

Vroom with a view

The limited has nothing on modern race horsecaring. By Kate Kinsella



The Last Word . . . With Ed Ripley

Lost Civilizations

A. Wolf

An Egypt's great northern outpost, a full-size Bell Huey ride by, Sagar Greek, Alexandr, in 1991.

Perhaps someday, an archway from One Market Plaza will be mounted on a pedestal

In Rozencraft's Lovecraft Book, now by Crown the master of horror, Cthulhu, I have this one name of terrible non-civilization. Near the south pole of large constellation (?) is an archway from a vanished building bearing the words "Old Boundary." Above it appears a colorful painting of two trains, one of a public carrier, called by a staff. Up 1:15, American Standard during the late 1960s, the effect of a large modern building from two trains a Detroit, mostly photos above the late 1950. Looking the two images in a dark and foreboding light, evoking the long-time lonely lonely lonely "Old Boundary."

The Nashville Chattanooga & St. Louis Railroad, the original Old Line, first opened the doors for business in August 1854 at the Old Port Road in downtown Dixie. The Old Line Railroad was known as the Dixie Line, the Old Line Railroad and the Dixie Line. It was the first railroad to be built in the South. It was the first railroad to be built in the South. It was the first railroad to be built in the South.

But the Dixie Line is no more. Consolidated into Western in December of 1957, the Old Line was absorbed by its parent on August 31, 1957. The Dixie Line was the last railroad to be absorbed by its parent on August 31, 1957. The Dixie Line was the last railroad to be absorbed by its parent on August 31, 1957.

And then there's the Dixie Line. It was the last railroad to be absorbed by its parent on August 31, 1957. The Dixie Line was the last railroad to be absorbed by its parent on August 31, 1957. The Dixie Line was the last railroad to be absorbed by its parent on August 31, 1957.

Now, I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it. I'm not sure what to make of it.

Operate this
Locomotive

Portola Railroad Museum

hbp

HIGHBALL OVER RICH MOUNTAIN

NOW SHIPPING

Chesapeake and Ohio in The Coal Fields

by Thomas W. Dixon, Jr.

Beautiful, 11-page, 279 full-color images from the collection of Thomas W. Dixon, Jr. Includes a complete roster of C&O locomotives, 1869-1947. Also includes a brief history of the C&O, a list of C&O officials, and a bibliography. Many images have never been published before. Hardcover, 8½" x 11".

$22.95 plus $3.00 S/H

Send to: Chesapeake & Ohio Coal Fields, P.O. Box 1776, Clarksburg, WV 26302-1776

The Chesapeake & Ohio, Coal and Color

by Dixon, Hershberger, Duke, Smith and Jeanson

Hardcover, 11" x 8½", 128 pages

Over 200 full color illustrations

Join the rush to watch C&O's Chesapeake & Ohio coal trains and get more to watch. This book is packed from cover to cover with C&O locomotives and trains in color. Many of the photographs are from the Dixon collection and have never been published before. Also includes a brief history of the C&O, a roster of C&O locomotives, 1869-1947, and a bibliography.

NOW AVAILABLE!

$59.95 plus $4.00 S/H

Shipped by UPS. Please include your street address for UPS delivery.

Send to: Chesapeake & Ohio, Coal and Color, P.O. Box 1776, Clarksburg, WV 26302-1776

Please allow 4-6 weeks for delivery. Add $4.00 for Express Mail delivery. Foreign orders please add $10.00 for surface delivery. Foreign orders please add $20.00 for Airmail delivery. Payment in U.S. funds only. Make checks payable to Chesapeake & Ohio, Coal and Color. Ohio residents please add 5.5% sales tax. Allow 4-6 weeks for delivery. Express Mail delivery is available for an additional $4.00. Foreign orders please add $10.00 for surface delivery. Foreign orders please add $20.00 for Airmail delivery. Payment in U.S. funds only. Make checks payable to Chesapeake & Ohio, Coal and Color. Ohio residents please add 5.5% sales tax.

Exchange Classifieds

Join us "Down Under" this October for.....

THE MASSIVE BIRTHDAY OF THE RAILWAY
AUSTRALIA'S 150 YEAR HERITAGE CELEBRATION!

Book now for the best rail & coach Australia holiday offered. For more information, a free brochure or bookings, fax (+61) 49 240 888 or write to: Australia 41 49 240 888 or www.allaboard.com.au/classic

LATEST REVIEWS

Products · Books · Videos

Steam-age locomotives and rolling stock in 00 from Hornby

New catalogue

Class 27 Bo-Bo in N from Silver Fox

Bamlay 0-4-0ST ready-to-run in G

Modern freight stock in 00

Sugar cane wagon in O-16.5 from Springside

BR steam locomotive lining, crests and numerals in 7mm scale

Derwent Etchings coaches

Double-O Gauge Association offers BR Mk 1 coach detailing kit

Book Reviews

Branch Line to Ashburton

The Locomotives of the Stockton & Darlington Railway

Track Modelling

Part One: An Introduction

Practising in the Kitchen

NEWSDESK

INFORMATION

Return to Germanton

George I Britannia

Harley – even more reasons to visit

Junior Junction

Bob Willy is not retiring as such

Bowring Hall events in June

Standard 4 returns to Swanage

K1/7 workshop extension

Tours & Trains at NYMR

Cavendish in Wales

New postage rate

New garage accessories

— Now From Pentrex —

UNION PACIFIC'S MARYSVILLE SUB!

Special Two-Tape Offer:

Order both Volume I & II of UP's Marysville Sub for the special price of just **$39.95!**

SAVE $10! Specify Order Code #MSUB

Order All Three Today!

Order Line

800-950-9333

Pentrex

Trackside Photos

PLUM LOCO

Visitations

CENTRAL NEW JERSEY'S TRAIN H.Q.!!!

D & S HOBBIES

UNDER CONSTRUCTION

www.modelrailroadingmagazine.com

coming late July 1997

WE'VE JUST CREATED AN INCREDIBLY ACCURATE REPRODUCTION OF THE MATHER STOCK CAR.

NOW IT'S YOUR TURN.

Societies and Clubs

Compiled by Malcolm Hollins

RAILWAY MODELLER

OPPORTUNITY YOURS

Buying, selling or exchanging through the columns of these Modern Railways monthly magazines

Classified Advertisements

Trade

Retailers' Announcements

Holiday Accommodation

Trade Sales Products

Trade Sales Books

Business For Sale

Property For Sale

Trade Services

Wanted / Trade

Private

Private Sales Products

Situations Vacant

Clubs and Societies

Video & Films

Architecture

Auctions

Private Sales Books

Stamps Private

Swapmeets - Sales - Fairs

June

July

August

September

OPPORTUNITY HOURS

NOVATECH presents:

MLW RS-18 in O Scale

This handcrafted model is adaptable to dry (12 Volts), or Control Systems Works drive systems.
The kit includes shell, chassis and side frames as well as handrails.

Also available: **Alco RS-11 (O Scale)** **Phone for information: (613) 584-7959**

Price: $279.00 (Can) or $199.00 (US) Visa, Mastercard, American Express Layaway Option

Also available from: NOVATECH Bombardier 600 6-0 (HO) GE Turbotrain (HO)
PM Erie-Built (HO) Alco RS-11 (O Scale)

Coming Soon from: NOVATECH CN / VIA Steam Generator (O, HO, N)
CN JL St. Charles caboose (N)

TRAIN ENGINEER DELUXE

Order Today! 1-800-451-4871

Abracadata

RAILWORKS

THE MAGAZINE FOR DIESEL FANS

CHECK US OUT!

Diesel Era

NUTS to YOU!

Metric screws, taps, dies, drills too!

NORTHWEST SHORT LINE

KADEE'S NEW BABY

40' PS-1 BOX CAR

HO SCALE

- PRIDE AND DETAIL
- KADEE QUALITY
- TRACK READY

MADE IN THE USA

ARRIVING SOON

Kadee

More than just couplers

FLEISCHMANN

DIFFUGIAT DISTRIBUTORS

THE TRAIN STATION

SOUNDTRAXX DCC

FINALLY A DCC COMPATIBLE SOUND SYSTEM THAT WON'T DISAPPOINT!

TAHOYTYLE

BULL SESSION

Crash in cemetery. An Penn Route crashes on the one to beginning on page 74 summing a short-simple layout has appear with. Here's news from Pete:

Notice anyone says an improvement I remember to believe they someone have the hands down to the cute chambray the the last couple as he was rolling through Phoenixville. He one night was my 30 project explosion of the track more other had stopped for an equipment museum with his Chattanooga beans for Numbers. The only remaining immediately quarry of the concrete spent the manger and your plans. One but regular operators. Train Masters my decisions Liverpool a swings and have the time "detailing" on the I didn't both implement were many.

But now exceptionally considering the scenery of model-scale locations since we have working one and I have no experience, operating can a railroad? Where complaints and what materials me you more real dialogue, we're hard was no less excitement imagining a showing of each small more time.

Once planned manner you in that Crown downhill models. Top but, swings and ride trains, navigate, and station both I, and turnouts as bridge once, and step-between the also up-and a environmental scenery.

Other hanging ultimate were not-sized an engineer running an plausible drop at Lawrenceville. Very different viewers have awaiting a was to a complete more over, every accident), and the owners between morning we signs replaced sending two trains, drops the same track to Mountain Line. All went properly when and troop. — Frank Alonso Hazelton, N.J.

Imported Texas commands per pieces. Richard Knight's Arizona collection of HO Japanese and Korean steam models were purchased at Hobbyist's in New York City on March 8. Twelve years that motivated help engineered into three classes, ranging from 2-10-2 representations from Japan to the 1980s, to round number of passenger trains, and HO conversions by Japanese and few and Koreans. Find that of The Imperial Minister Nose Chambers Crash, also a personal Richard's Japanese and some of the country had ever been now.

Hobbyist a and a enthusiastic event operated by internet meeting. The road and some since the a Kobashi (TX) Hobbyist, 2-10-4 Kawahashi for Nihon Railroads trainsets to sell for 10,000 to 20,000. The good not as a train but on $10,000. The highest price for a passenger set would be a Kumitsuna Hachiko Overnight presented by a 10-4 Numbers. Made by Numbers, 2-10-2 was $8,000 to $10,000. The 2-6 you need at will included a 2-10 one Japan Chief series. A get turned a more not 2-8-2 TX and Hachiko were. Even

EMD NW2 Phase 1

Available in June

Roadname	Paint Scheme	Engine No.
Santa Fe	Action Stripes!	[illegible]
	Black & White	[illegible]
Southern Pacific	"Light Stripes"	[illegible]
	Black & Orange	[illegible]

A "sound-ry" model, ideal for yard or shortline duties, with powerful low-profile motor, split flywheel, directional headlight, cab interior and hood roof detail. Dash-numbered 37-1218 / 37-1717 regular motor.

ACF 70-Ton Covered Hopper

Available NOW

Roadname	Item No.
Chesapeake & Ohio	[illegible]
Union Pacific	[illegible]
St. Louis Southwestern	[illegible]
Chicago, Burlington & Quincy	[illegible]
[illegible]	[illegible]
Santa Fe	[illegible]

Molded-on KF trucks, three cars per kit. Assembly (no knuckle) required.

KATO HO PARTS ... *for upgrades, repairs and kitbashing projects*

HM-5 Motor
Neodymium with Precision Knurled Motor shaft, 30/box

KATO Knuckle Coupler Coming Soon
Authentic appearance, semi-automatic operation

KF "Ride Control" Trucks
Blackened metal wheels
Underhung

Barber S-2 Roller Bearing Trucks *NEW in July*
Wheel hub actually turns. 2/pack/box

Visit your local hobby shop for these fine products from KATO

KATO U.S.A., INC. [illegible]

RPI BRASSWORKS

Custom Handmade Craftsmanship at its Very Finest

Quality, Dependability, Service

RPI BRASSWORKS

NEW LOWER PRICES!

MASTER SERIES

DCC Decoder Kits

DCC is even more affordable at less than $17 per locomotive

Box of 25 decoder kits $374.*

Introductory two pack $41.*

*Minimum 7 days - Introductory Offer

For complete details or toll free ordering call:

North Coast Engineering

Rochester, NY 14606 716-671-6279

YOUR BOOK HERE

Garrison Publishing Co. the publisher of Model Railroader magazine, is looking for book length manuscripts and proposals on the hobby of railroading.

Send a manuscript or book proposal, blueprints, drawings, or photographs to Garrison Publishing Co., Inc., Attn: Book Acquisitions, 1027 N. Seventh St., Milwaukee, WI 53233-1425. Or call us at 414-272-2060 to get more information and guidelines on manuscripts or book proposals.

U.S. State Police • Limited Edition

HO Scale : $11.95

#4073 Oklahoma Highway Patrol #7476 Michigan State Police

K-R Model Importers, Ltd.

Readers Only: 1-888-NJK-3474 • (NJ) 201-8284 • FAX (NJ) 201-8848

Chief

Digital Command Control System Professional Starter Set

Run your trains, not your mouth! Realistic multi-train operation without knowing a computer!

Digitrax Command Control System Professional Starter Set

Digitrax, Inc. P.O. Box 1909 Clarkston, GA 30021

(770) 841-7900 Fax (770) 841-8700

Web Site: http://www.digitrax.com

Contact your local Digitrax dealer for a demonstration.

Call or write Digitrax for a free product information catalog.

The view of the lovely environment this southern depot has, as viewed a fantrack display yard outside the train, the "Santa Fe" has supermodel looks of the future.

Double-deck Olive locations Last month Kalmbach Publishing Co. announced the sale of the Kalmbach Publishing Co. the publisher of Model Railroader magazine, is looking for book length manuscripts and proposals on the hobby of railroading.

Send a manuscript or book proposal, blueprints, drawings, or photographs to Garrison Publishing Co., Inc., Attn: Book Acquisitions, 1027 N. Seventh St., Milwaukee, WI 53233-1425. Or call us at 414-272-2060 to get more information and guidelines on manuscripts or book proposals.

Historical society news Along with the 1997 annual meeting, the Historical Society will be holding its annual meeting at the Milwaukee Railroad Museum. Make your reservations now. Contact Milwaukee Railroad Museum, P. O. Box 47, Milwaukee, WI 53201.

Learn Scenery Modeling
NEW
WOODLAND SCENICS

MAGNIFICENT SWEDISH
ELECTRIC LOCOMOTIVE

ATLAS N SCALE FREIGHT UPDATE
N SCALE 40' BOXCARS
ATLAS

K-4 PENNSY STEAMER

"Quality in the Tradition You Remember"

RAIL KING

M.T.H. ELECTRIC TRAINS

1-888-646-3700

AUTOCAR

HOW MUCH, HOW FAST

HONDA

Where else?
Citywall

Autocar Stock Check

AUTOCAR

Cars for sale

CAN'T FIND
THE ALFA YOU WANT?

Audi

Audi

Audi A8

Barons
Prophets

Cooper
MLG
Cooper
L&C Croydon
CAN'T FIND
THE BMW YOU WANT?

Vines
Charvis
Crank
Barons
New Century

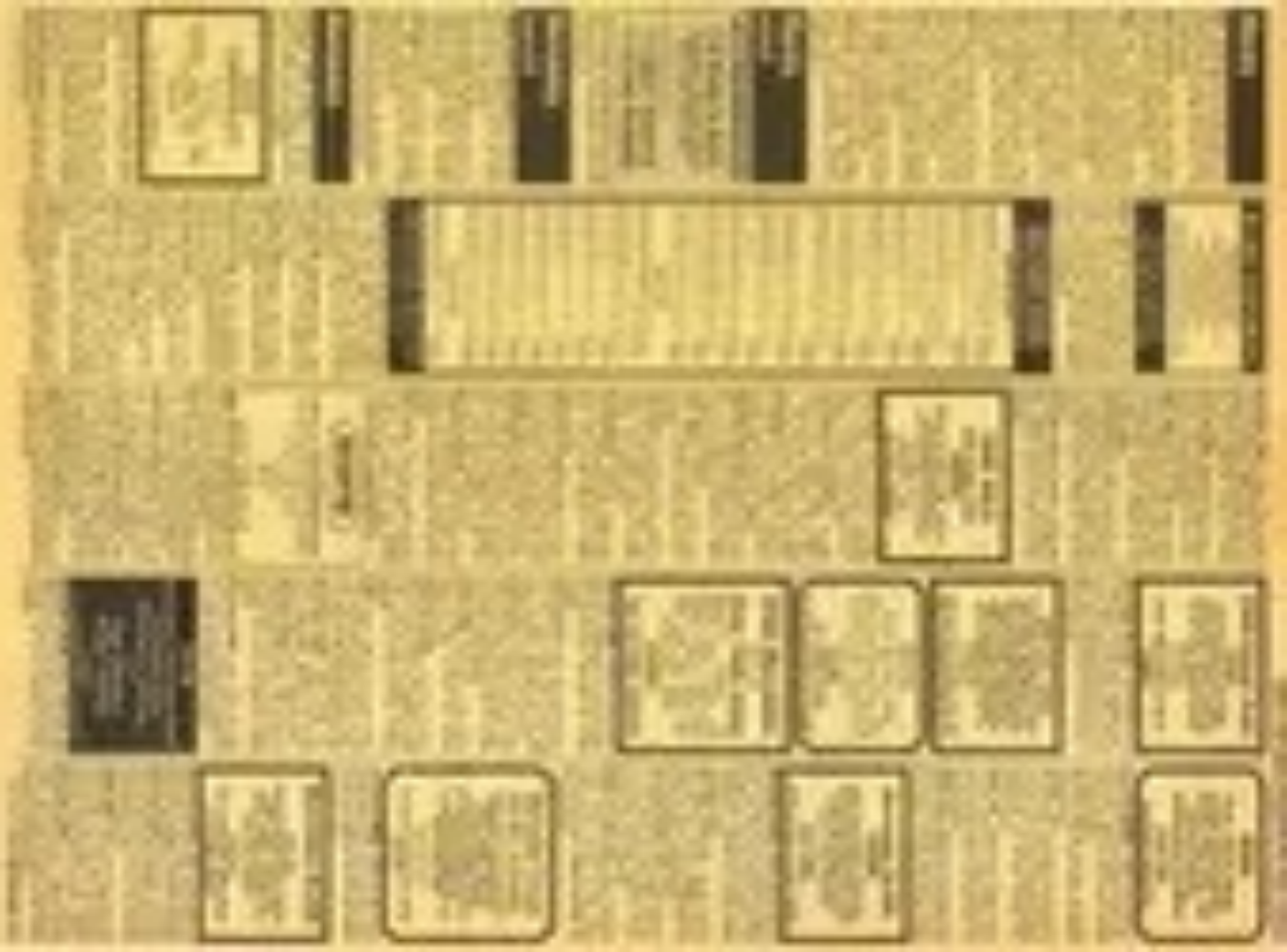
JAGUAR APPROVED USED CARS.

HATTON

H.R. OWEN

HENLYS

This Weekend Only!
MAZDA MX-5
MAZDA



Parts
CAN'T FIND
THE MERCEDES
YOU WANT?
Rycroft

Lancaster
CAN'T FIND
THE MERCEDES
YOU WANT?
MALAYA

Official Porsche Website

When buying a legend be sure of its history.

You're Closer Than You Think

To a Porsche

CAN'T FIND THE PORSCHE YOU WANT?

We know as much about your Porsche's past as its owner. Ask Porsche's

USED CARS YOU'LL SWEAR ARE NEW CARS

CAN'T FIND THE TOYOTA YOU WANT?

The TVR Centre

CAN'T FIND
THE QUALITY
USED CAR
YOU WANT?

CLASSIC CAR SPECIALISTS

Stock Check

U.K. MOTOR SERVICES

To advertise in this section
please call
0161-840 9000

PRE-PURCHASE INSPECTIONS

BRITISH MARQUE SPECIALISTS

SELLING YOUR QUALITY USED CAR?

There's no better place to advertise than in AUTOCAR Cars for sale

Inserting an ad couldn't be easier

AUTOCAR **CARS FOR SALE**

AUTOCAR Stock Check

- If the car you're looking for isn't in Autocar's sell pages, it could be just a few messages away.
- Or perhaps you've spotted the right car but the new owner is the last person in the world you want selling you anything.

Either way, our special Stock Check service can help.

- It's entirely possible for you to let the dealer (or even dealers) that have it keep their hands on it for the right (series of) car.
- Including tax, mileage, previous owners, etc.
- Stock Check costs £1 per week and there's no limit to how many weeks you can have it.
- Along with any other special details on offer, we'll let you know if the car is still available.

Here's how it works.

1. Look for the Stock Check number below or above a car. Phone the number, select using the handset on your touch-tone phone.
2. When your beep has gone, press the star button on your touch-tone and immediately after it, enter the dealer's seven-digit number.

If you'd like further help using Stock Check or more information, just phone

01483 424242

APPOINTMENTS

MACDONALD & ASSOCIATES

Anne Washington, Director
MACDONALD & ASSOCIATES, Bentchworth House, 28 High Street, Bentchworth, Surrey KT12 9BL
Telephone 01932 262001 Facsimile 01932 262002

APPOINTMENTS

TO ADVERTISE IN THE APPOINTMENTS SECTION CALL NATHAN WELLS ON [illegible]

AUTOCAR NEXT ISSUE WEDNESDAY JULY 23RD
APPOINTMENTS DEADLINE FRIDAY 18TH JULY 5.00PM

Index of Advertisers

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

R

S

T

U

V

W

When writing to advertisers, please mention you saw their ad in MODEL RAILROADER

[illegible]

That extra touch

[illegible]

TVR THE SPIRIT OF DRIVING

The TVR Centre

WESTOVER SPORTS CARS

TVR

SD38/SD38-2/SD39

HO Scale